

<223> n = A, T, C or G

<400> 40

gtggtatttt	ctgtaagatc	agggtgttct	ccctcgtagg	tttagaggaa	acacctcat	60
agatgaaasc	cccccgaga	cagcagcact	gcaactgcc	agcagccgg	gtaggaggg	120
cgcctatgc	acagctgggc	ccttgagaca	gcagggcttc	gatgtcagg	togatgtcaa	180
tggtetggaa	ggggcggtg	tacctggta	ggggcacacc	gtcagggccc	accaggaact	240
tetcaaagt	ccaggcaacn	togttgcgac	acacccggaga	ccaggtgatn	agcttgggg	300
cggteataaa	cggggtggcg	tgtogctgg	gagctggcag	ggctccccc	aggaaggna	360
ataaaaggtg	cgcgcccgca	ccgttcanct	cgcacttctc	naaaacctg	angttgggt	420
cnaaccacc	acannccgg	acttccctga	gggaattccc	aaatctcttc	gntcttgggc	480
ttctnctgat	cccttancgt	gttgcacn	atgccaanca	cccccaancc	ccgggggtct	540
aaanccccc	ccctctctt	tcctctgggt	tattttcccc	ggacntggt	tcctctcaag	600
ggancccata	tctnaccan	tactaacnt	ccccccccc	gnnaccancc	cttctanngn	660
ttccncccg	ncctctggc	cttcaaan	gcttncan	ctgggtctg	cttcccccc	720
tacctatct	gnaccnccn	ttgtctcan	tnt			753

<210> 41

<211> 341

<212> DNA

<213> Homo sapien

<400> 41

actatatcca	tcacaacaga	catgcttcat	cccatagact	tcttgacata	gcttcasatg	60
agtgaaccca	tccttgattt	atatacatat	atgttctcag	tattttggga	gcctttccac	120
ttcttttaac	cttgcttcat	atgaacactg	aaaataggaa	tttgtaaga	gttaaaaagt	180
tatagcttgt	ttacgtagta	agtttttgaa	gtctacatc	aatccagaca	cttagttgag	240
tgtaaaactg	tgatttttaa	aaaatatcat	ttgagaatat	tctttcagag	gtattttcat	300
ttttactttt	tgattaattg	tgttttatat	attagggtag	t		341

<210> 42

<211> 101

<212> DNA

<213> Homo sapien

<400> 42

acttactgaa	tttagttctg	tgtcttctct	tatttagtgt	tgtatcataa	atactttgat	60
gtttcaaaaca	ttctaaataa	ataattttca	gtggttctat	a		101

<210> 43

<211> 305

<212> DNA

<213> Homo sapien

<400> 43

acatctttgt	tacagtctaa	gatgtgttct	taaataccca	ttccttctctg	gtcttcaccc	60
tcaggggtgg	tctcacactg	taatttagagc	tattgaggag	tctttacagc	aaattaagat	120
tcagatgcct	tgttaagtct	agagttctag	agttatgttt	cagaaagtct	agaaaaccca	180
ccctcttgaga	ggtcagtaaa	gaggaactta	tatttctat	ctacaaaatg	cccacaggat	240
tgataacaga	acgagagtta	tcttggttaa	ctcagagctg	agtaacctgc	cgggggccgc	300
tcgaa						305

<210> 44

<211> 652

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(952)
 <223> n = A,T,C or G

<400> 44
 acataaatat cagagaaaag tagtctttga aatattttacg tccaggagtt ctttgttttct 60
 gattattttg tgggtgtttt ggtttgtgtc caaagtattg gcagcttcag ttttcatttt 120
 ctctccatcc tggggcattc ttcccaaatc tatataccag tcttctgtca tccacacgct 180
 ccagaatttc tctttttag tagtatctca tagctcggt gagcttttca taggtcatgc 240
 tgctgttgtt cttctttttt ccccatagct gagccactgc ctctgatttc aagaacctga 300
 agacgccttc agatcggtct tcccatttta ttaactcttg gttcttgtct gggttcaaga 360
 ggtgtctggg gatgaattcc cataagtgag tccctctcgg gttgtgcttt ttggtgtggc 420
 acttggcagg ggggtcttgc tcttttttca tatcaggtga ctctgcaaca ggaaggtgac 480
 tgggtgttgt catggagatc tgagcccgcc agaaaagttt gctgtccaac aaatctactg 540
 tgctaccata gttggtgtca tataaatagt tctngtcttt ccaggtgttc atgaiggaag 600
 gctcagtttg ttcagtcttg acaatgacat tgtgtgttga ctggaacagg tcaactactg 660
 actggcaggt ccacttcaga tgctgcaagt tgcgttagag gagtgcccc gcggtccctg 720
 ccgccccggt gaactcctgc aaactcatgc tgcaaaagtg ctgcgcgttg atgtcgaaat 780
 cntggaagg gatacaattg gcctccagct ggttggtgtc caggaggtga tggagccact 840
 cccacacctg gt 852

<210> 45
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 45
 acacacagacc cttgctcgct aacgacctca tgcctatcaa gttggacgaa tccgtgtccg 60
 agtctgacac cctccggagc atcagcattg cttcgacgtg cctaccccg ggaactctt 120
 gctctgttcc tggctgggt ctgctggaga acggcagaat gctacccgtg ctgcagtgag 180
 tgaacgtgtc ggtggtgtct gaggaggtct gcagtaagct ctatgaccgg ctgt 234

<210> 46
 <211> 590
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(590)
 <223> n = A,T,C or G

<400> 46
 acttttttatt taaatgttta taaggcagat ctatgagaat gatagaaaac atggtgtgta 60
 atttgatagc aatatttttg agattacaga gttttagtaa ttaccaafta cccagttasa 120
 aagaagataa tataattccaa gcanatacaa aatctctaat gaagatcaa ggcaggaaaa 180
 tgantataac taattgacaa tggaaaatca attttaatgt gaattgcaca ttatccttta 240
 aaagctttca aaanaaanaa ttattgcagt ctanttaatt caaacagtggt taaatgglat 300
 caggataaan aactgaaggc canaaagaat taattttcac ttcatgtaac ncacccanat 360
 ttacaatggc ttaaatgcan ggaaaaagca gtggaagtag ggaagtanc aaggtctttc 420
 tggctcttaa tctgpcctac tctttgggtg tggctttgat cctctggaga cagctgccag 480
 ggtctctgtt atatccacaa tcccagcagc aagatgaagg gatgaaaaag gacacatgct 540
 gccttccttt gaggagactt catctcaactg gccacacactc agtcccatgt 590

<210> 47
 <211> 774
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 47
 acaggggggc ataatgaagg agtggggana gatttttaag aaggaaaaaa aacgaggccc 60
 tgaacagaat ttctctgnac aacggggcctt caaataaatt ttcttgggga ggttcagac 120
 gcttcactgc ttgaaactta aatggatgtg ggacanaatt ttctgtaatg accctgaggg 180
 cattacagac gggactctgg gaggaaggat aaacagaaag gggacaaagg ctaatcccaa 240
 aacatcaaaag aaaggaagggt ggcgtcctac ctcccagcct aacacagttct ccagggctct 300
 cctcctccct ggaggacgac agtggaggaa caactgacca tgtcccagcgt cctctgtgtg 360
 ctgggtcctg gtcttcagcc cccagctctg gaagcccacc ctctgtgat cctgcttggc 420
 ccacactcct tgaacacaca tcccaggtt atattcctgg acatggctga acctoctatt 480
 cctacttccg agatgccttg ctccctgcag cctgtcaaaa tcccactcac cctccaaacc 540
 acggcatggg aagcctttct gacttgcctg attactccag catcttggaa caatccctga 600
 ttcccactc cttagaggca agataggggt gttaagagta gggctggacc acttggagcc 660
 aggotgctgg ctccaaattn tggctcattt acgagctatg ggaaccttgg caagtnatct 720
 toacttctat gggctcattt ttgttctacc tgcanaatgg gggataataa tagt 774

<210> 48
 <211> 124
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(124)
 <223> n = A,T,C or G

<400> 48
 cansaattga aattttataa aaagggcattt ttctcttata tccataaaat gatataattt 60
 ttgcaantat anaaatgtgt cataaattat aatgttcttt aattacagct caacgcaant 120
 tgggt 124

<210> 49
 <211> 147
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(147)
 <223> n = A,T,C or G

<400> 49
 gcgatgcta ctattttatt gcaggagggt ggggtgtttt tattattctc tcaacagctt 60
 tgtggctaca ggtgggtgtc gactgcataa aaaanttttt tacgggtgat tgcanaaatt 120
 ttagggcacc catatcccaa gcaatgt 147

<210> 50
 <211> 107
 <212> DNA
 <213> Homo sapien

<400> 50
 acattaaatt aataaaagga ctgttggggt tctgtcaaaa cacatggctt gatatatgtc 60

atggttttgag gttaggagga gttaggcata tgttttggga gaggggt 107

<210> 51
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 51
 gtccctaggaa gtctagggga cacacgactc tgggggtcacg gggccgacac acttgcaagg 60
 cgggaaggaa aggcagagaa gtgacaccgt cagggggaaa tgacagaaag gaaaatcaag 120
 gccttgcaag gtacagaaag ggaactcaggg cttccaccac agccctgccc cacttgccca 180
 cctccctttt gggaccagca atgt 204

<210> 52
 <211> 491
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(491)
 <223> n = A,T,C or G
 <400> 52
 acaaaagataa catttatctt ataacaaaaa tttagatggt ttasagggtta gtattgtgta 60
 gggtattttc caaaagacta aagagataac tcaggtaaaa agttagaaat gtataaaaca 120
 ccatacagca ggtttttaaa aaacaaacata ttacaaaatt agacaatcat ccttaaaaaa 180
 aaaaactttct gtatcaattt cttttgttca aactgactga ctttaantatt tttaaatatt 240
 tcanaaacac ttcctcaaaa attttcaana tggtagcttt canatgtacc ctcaagtccc 300
 atgttgctca gataaataaa tctcgtgaga acttaaccac caccacaaga tttctggggc 360
 atgcaacagt gtcttttctt tnccttttct ttttttttt ttacaggcac agaaactcat 420
 caattttatt tggataacaa aggtctccca aattatattg aaaaataaat ccaagttaat 480
 atcaactctt t 491

<210> 53
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G
 <400> 53
 acataattta gcagggyctaa ttaccataag atgctattta ttaanaggtn tatgatctga 60
 gtattaacag ttgctgaagt ttggtatttt tatgcagcat ttcttttttg ctttgataac 120
 actacagaac ccttaaggac actgaaaatt agtaagtaaa gttcagaaac attagotgct 180
 caatcaaatc totacataac actatagtaa ttaaaacgtt aaaaaaaagt gttgaattct 240
 gaactagtat anaccgctcc tgtcaggata anactgcttt ggaacagaaa gggaaaaaac 300
 agctttgant ttctttgtgc tgatangagg aaaggtgaa ttaccttggt gcctctccct 360
 aatgatttgc aggtcnggta aatnccaaaa catattccaa ctcaacactt cttttccnag 420
 tancttgant ctgtgtatto caggancagg oggatggaat gggccagccc accgatgttc 480
 cant 484

<210> 54
 <211> 151
 <212> DNA

23

<213> Homo sapien

<400> 54

actaaacctc	gtgcttgtga	actccataca	gaaaacgggtg	ccatccctga	acacggctgg	60
ccaactggga	tactgctgac	aacggcaaca	acaaaaacac	aaatcccttg	cactggctag	120
tctatgtcct	ctcaagtgc	tttttgtttg	t			151

<210> 55

<211> 91

<212> DNA

<213> Homo sapien

<400> 55

acctggcttg	tctccgggtg	gttcccggeg	cccccaagg	tccccagAAC	ggacacttts	60
gccctccagt	ggatactcga	gccaaagtgg	t			91

<210> 56

<211> 133

<212> DNA

<213> Homo sapien

<400> 56

ggcggatgtg	cgttggttat	atacaatat	gtcattttat	gtaagggact	tgggtatact	60
tggatttttg	gtatctgttg	gttgggggga	cggctccagg	accaataccc	catggatacc	120
aagggacaac	tgt					133

<210> 57

<211> 147

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(147)

<223> n = A,T,C or G

<400> 57

actctggaga	acctgagccg	ctgctccgcc	tctgggatga	ggtgatgcac	gcagtgsggc	60
gactgggagc	tgagcccttc	cctttggccc	tgctccagag	gattgtttgc	gaentgcans	120
tctcantggg	ctggatccat	gcagggt				147

<210> 58

<211> 198

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(198)

<223> n = A,T,C or G

<400> 58

acagggtat	agggttnaag	ttattgttat	tgtaaaaaac	attgaatttt	ctgtatactc	60
tgattacata	cattttatct	ttaaaaaaga	tgtaaatctt	aatttttatg	ccatctatta	120
atttaccat	gagttccct	gtaatgaga	agtcatgata	gcactgaatt	ttaactagtt	180
ttgaattcta	agtttggt					198

<210> 59

<211> 330
 <212> DNA
 <213> Homo sapien

<400> 59
 accscaaatg gggtgtgagg aagtcttata agcaaaactg gtgatggcta ctgaaaagat 60
 ccattgaaaa ttatcattaa tgattttaaa tgcaaggtta tcaaaaactc actcaatttt 120
 cacctgtgct agettgctaa aatgggagtt aactctagag caaatatagt atcttctgaa 180
 tacagtcaat aatgacaaa gccagggcct acaggtgggt tccagacttt ccagacccag 240
 cagaaggast ctattttata acatggatct ccgtctgtgc tcaaaatacc taatgataat 300
 ttctgtcttt attggaactc ttggaagagt 330

<210> 60
 <211> 175
 <212> DNA
 <213> Homo sapien

<400> 60
 accgtgggtg ccttctacat tectgaaggg tecttcacca acatctgggt ctacttcggc 60
 gtctgtgggt ccttctcttt catctcacc cagctgggtg tgctcactga ctttgccgac 120
 tectggaaac agcgggtggt gggcaaggcc gaggagtgcg attcccgtag ctggt 175

<210> 61
 <211> 134
 <212> DNA
 <213> Homo sapien

<400> 61
 accccacttt tctcctgtg agcagctctg acttctcact gctacatgat gggggtgagt 60
 ggttggttgc cttaaacagt atctctccct ttccggatct gctgagccgg acagcagtgc 120
 tggactgcac agccccgggg ctccacattg ctgt 134

<210> 62
 <211> 38
 <212> DNA
 <213> Homo sapien

<400> 62
 cgtctgagca ctatagttag tcttattaga 30

<210> 63
 <211> 89
 <212> DNA
 <213> Homo sapien

<400> 63
 scaagtcatt tcagcaccct ttgctcttca aaactgacca tctttatat ttaatgttc 60
 ctgtatgaat aaaaatgggt atgtcaagt 89

<210> 64
 <211> 97
 <212> DNA
 <213> Homo sapien

<400> 64
 accggagtaa ctgagtcggg acgctgaatc tgaatccacc aataaataaa ggttctgcag 60
 aatcagtga tccaggattg gtcttggat ctgggt 97

25

<210> 65
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 65
 acaacaanaa ntcccttctt taggcactg atggaacct ggaacccct tttgatggca 60
 gcatggcgtc ctaggccttg acacagcggc tggggtttgg gctntccaa accgaacacc 120
 ccaaccttg tctaccaca nttctggcta tgggtgtct ctgccactga acatcagggg 180
 tgggtcatis natgaatcc caanggggac agaggtcagt agaggaagct caatgagaaa 240
 ggtgctgttt gctcagccag aaaacagctg cctggcattc gccgctgaac tatgaacccg 300
 tgggggtgaa ctacccccc gaggaatcat gcttgggcga tgcaanggtg ccaacaggag 360
 gggcgggagg agcatgt 377

<210> 66
 <211> 305
 <212> DNA
 <213> Homo sapien

<400> 66
 aggccttttc ctacagaattc agggaagaga ctgtcgcctg ccttccctcc ttgttgctg 60
 agaaccggtg tgcaccttc caacatctc acctcgtc catctttgaa ctcaaacacg 120
 aggaactaac tgaacctgg tctctctccc agtccccagt tcacctcca tccctcacct 180
 tctccacttc taaggatata caacctgac cagcacaggg gccctgaatt tatgtggttt 240
 ttatatattt ttttaataaga tgcactttat gtcatttttt aataaagctt gaagaattac 300
 tggtt 305

<210> 67
 <211> 385
 <212> DNA
 <213> Homo sapien

<400> 67
 actacacaca ctccacttgc ctttgtgaga caatttgctc cagcacttta ggaatgctga 60
 ggtcgggcra gccacatctc atgtgcaga ttgccnagca gacatcaggt ctgagagttc 120
 cctttttaaa aaaggggact tgcctaaaaa agaagtctag ccacgattgt gtgagagcagc 180
 tgtctctgtc tggagattca cttttgagag agttctctc tgagacctga tctttagagg 240
 ctgggcagtc ttgcacatga gatggggctg gtctgatctc agcactcctt agtctgcttg 300
 cctctccag ggccccagcc tggccacacc tgcctacagg gcactctcag atgccatcac 360
 catagttttt gtgctagtgg accgt 385

<210> 68
 <211> 73
 <212> DNA
 <213> Homo sapien

<400> 68
 acttaaccag atatattttt accccagatg gggatattct ttgtasaaaa tgaaaatasa 60
 gtttttttaa tgg 73

<210> 69
 <211> 536
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(536)

<223> n = A,T,C or G

<400> 69

actagtccag	tgtggtggaa	tccattgtg	ttgggggctc	tcacctctct	ctctgcagc	60
tcagactttg	tgtctgtcct	ctgaggagac	catggcccag	catctgagta	ccctgctgct	120
ccctgctggc	accctagctg	tggccctggc	ctggagcccc	aaggaggagg	ataggataat	180
cccggtgggc	atctataacg	cagacctcaa	tgatgagtgg	gtacagcgtg	cccttcactt	240
cgcctacagc	gagtataaca	aggccaccaa	agatgactac	tacagacgtc	cgtgcgggt	300
actaagagcc	aggcaacaga	ccgttggggg	ggtgaattac	ttcttcgacg	tagaggtggg	360
ccgaaccata	tgtaccaagt	cccagcccaa	cttggacacc	tgtgccttcc	atgaacagcc	420
agaactgcag	aagaaacagt	tgtgtctctt	cagatctctc	gaagttccct	ggggagaaca	480
gaangtccct	gggtgaatc	caggtgtcaa	gaatctctan	gcatctgttg	ccaggg	536

<210> 70

<211> 477

<212> DNA

<213> Homo sapien

<400> 70

atgacccta	acagggggcc	tctcagccct	cctaattgacc	tcaggccctag	ccatgtgatt	60
tcacttcac	tcctataacg	tcctctact	aggctacta	accaacacac	taacctata	120
ccaatgatgg	cgcgatgtaa	cacggagaa	cactaccaa	ggccaccaca	caccacctgt	180
ccaaaaaggg	cttcgatcag	ggataatcct	atttattacc	tcagaagtgt	ttttcttcgc	240
agggattttt	ctgagccttt	taccactoca	gcctagcccc	tcccccccaa	ctaggagggc	300
actggccccc	aacaggcctc	cccccgctaa	atccctaga	agtcccactc	ctaaacacat	360
ccgtattact	cgcctcagga	gtatcaatca	cctgagctca	ccatagtcta	atagaaaaaa	420
accgaaccca	aattattcaa	agcactgctt	attcaatttt	tactgggtct	ctatttt	477

<210> 71

<211> 533

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(533)

<223> n = A,T,C or G

<400> 71

agagctatag	gtacagtgtg	atctcagctt	tgcaaacaca	ttttctacat	agatagtact	60
aggtattcat	agatatgtaa	agaaagaaat	cacaccatta	ataatggtaa	gattggttta	120
tgtgatttta	gtggtatttt	tggcaccctt	atataatgtt	tcctaaacttt	cagcagtgat	180
attattttca	taacttaaaa	agtgagtttg	aaaaagaaaa	tctccagcaa	gcctctcatt	240
taaataaagg	tttgcctctc	ttaaaaatac	agcaatattg	gactttttta	aaagctgtgc	300
aaatagggtg	gacctacta	ataattatta	gaattccatt	taaaacatac	gagtacctca	360
agtcagtttg	ccttgaaaaa	tatcaaatat	aactcttaga	gaatgttaca	taaaagaatg	420
cttcgttaatt	ttggagtang	aggttccctc	ctcaattttg	tatttttaaa	aagtacatgg	480
taaaaaaaa	aattcacac	agtatataag	gctgtaaaaa	gaagaattct	gcc	533

<210> 72

<211> 511

<212> DNA

<213> Homo sapien

27

<220>
 <221> misc_feature
 <222> (1)...(511)
 <223> n = A,T,C or G

<400> 72

tattacggaa	aaacacacca	cataattcaa	ctancaaaaga	anactgcttc	agggcggtgta	60
aastgaaagg	cttcacagga	gttatctgat	taaagaaacac	taasagaggg	acaaggctaa	120
aagccgcagg	atgtctacac	tatanacagga	gctatcttggg	ttggctggag	gagctgtgga	180
aaacatgga	agattgggtgc	tgganacogc	ogtggctatt	cctcattggt	attacanagt	240
gaggttctct	gtgtgcccac	tggtttgaaa	acogttctnc	aatsatgata	gaatagtaca	300
caatgagaa	ctgaatatggc	ccaaacccag	aaaagaaagcc	caactagatc	ctcagaansc	360
gcttctaggg	acaataacog	atgaagaaaa	gatggcctcc	ttgtgcccc	gtctgttatg	420
attctctctc	attgcagcna	naaacccggt	cttctaagca	aacncagggtg	atgatggcna	480
aaatacacc	cctcttgaag	naacnggagg	a			511

<210> 73
 <211> 499
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 73

cagtgcacag	actggtgcca	gtaccagtac	caataaacagt	gccagtgcga	gtgcccagca	60
cagtgggtgg	ttcagtgetg	gtgccagcct	gaccgcacat	ctcacatttg	ggctcttctc	120
tggecttgg	ggagctgggtg	ccagcaccag	tggcagctct	ggtgcctgtg	gtttctctca	180
caagtgcag	tttagatatt	gttaaatcctg	ccagtcttct	tcttcaagcc	aggggtgcac	240
ctcagaacac	tactcaacac	agcaactctag	gcagccacta	tcaatcaatt	gaagttgaca	300
ctctgcatta	aactctatttg	ccatttctga	aaaaaaaaaa	aaaaaaaggg	cggccgctcg	360
antctagagg	gcccgcttaa	acccgctgat	cagccctcgac	tgtgccttct	anttgcacag	420
catctgttgt	ttgccccctc	cccgntgcct	tccttgaccc	tggaaagtgc	cactcccaat	480
gtcctttctc	aantaatat					499

<210> 74
 <211> 537
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 74

tttcatagga	gaacacactg	aggagatact	tgaagaattt	ggattcagcc	gogaagagat	60
ttatcagctt	aactcagata	aaatcattga	aagtaataag	gtaaaagcta	gtctctaaat	120
tccaggccca	cggctcaagt	gaatttgaat	actgcattta	cagtgtagag	taacacataa	180
cattgtatgc	atggaaacat	ggaggaaacag	tattacagtg	tctaccact	ctaataaaga	240
aaagaaattc	agactctgat	tctacagtga	tgattgaatt	ctaasaatgg	taatcattag	300
ggcttttgg	ttataaact	ttgggtactt	atactaaatt	atggtagtta	tactgccttc	360
cagtttgcct	gatataattg	ttgatattaa	gattcttgac	ttatatattg	aattgggtct	420
actgaaaaan	gaatgatata	ttottgaaga	catogataa	catttatata	cactcttgat	480
tctacaattg	agaaaatgaa	ggaattgccc	caaattgtat	ggtgataaaa	gtcccggt	537

28

<210> 75
 <211> 467
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 75
 caaanacast ttttcaaaag atgcaaatga tacactactg ctgcagctca caaacacctc 60
 tgcattattac acgtacctcc tctgtctct caagtagtgt ggtctatttt gccatcates 120
 cctgtgtgtct gcttagaaga acggctttct gctgcaangg agagaatca taacagacgg 180
 tggcacaagg aggcacatct tctctcatcg gttattgtcc ctagaagcgt cttctgagga 240
 tctagttggg cttctcttct gggtttgggc catttcantt ctcattgtgt tactattcta 300
 tcattattgt ataacgggtt tcaaacnngt gggcacncag agaacctcac totgtaataa 360
 caatgaggaa tagccacggt gatctccagc accaaatctc tccatgttnt tccagagctc 420
 ctccagccaa cccaaatagc cgtgtctatn gtgtagaaca tccctgn 467

<210> 76
 <211> 400
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 76
 aagctgacag cattggggcc gagatgtctc gctccgtggt cttagctgtg ctgcgcctac 60
 tctctcttcc tggcctggag gctatccagc gtactccaaa gattcaggtt tactcacgtc 120
 atccagtcaga gaattgggag tcaatttcc tgaattgcta tgtgtctggg ttctatccat 180
 ccgacattga agttgactta ctgaagcatg gagagagcat tgaanaagtg gaggattcag 240
 acctgtcttt cagcaaggac tggctcttct atctcttcta ctacactgaa ttacccccca 300
 ctgaanaaga tgagtatgcc tgcctgtgta accatgtgac tttgtcacag cccaagatng 360
 tttagtgaga teganacatg taagcagcan catgggaggt 400

<210> 77
 <211> 248
 <212> DNA
 <213> Homo sapien

<400> 77
 ctggagtgcc ttgtgtttc aagccctgc aggaagcaga atgcaccttc tgaggcacct 60
 ccagctgccc cggcggggga tgcagggctc ggagcacctt tgcctggctg tgattgtgtc 120
 caggcaactgt tcatctcagc tttctgtcc ctttgcctcc ggcaagcgt tctgtgaaa 180
 gttcatatct ggagcctgat gtcttaacga ataaaggtcc catgctccac ccgaaaaaaa 240
 aaaaaaaa 248

<210> 78
 <211> 201
 <212> DNA
 <213> Homo sapien

<400> 78

29

```

actagtcacg tgtgggtggaa ttccattgtg ttggggcccaa cacaatgggt acctttaaca    60
tcacccagac cccggccctgc ccgtgcccga cgtctgctgt aacgacagta tgatgcttgc    120
tcctgtaact ggaaactatt tttatgtaat taatgtatgc tttcttgttt ataaatgcct    180
gatttaaaaa aaaaaaaaaa a

```

```

<210> 79
<211> 332
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 79
tcctttttgtt aggtttttga gacaacctta gacctaaact gtgtcacaga cttctgaatg    60
tttaggcagt gctagtaatt tctctgtaat gattctgtta ttactttcct attctttatt    120
cctctttctt ctgaagatta atgaagttga aaattgaggt ggataaatac aaaaaggtag    180
tgtgatagta taagtatcta agtgcagatg aaagtgtgtt atatatatcc attcaaaatt    240
atgcaagtta gtaattactc aggggttaact aaattacttt aatatgctgt tgaacctact    300
ctgttccttg cctagaaaaa attataaaca ggaactttgt agtttgggaa gccaaattga    360
taatatctta tgtttctaaa gttgggctat acataaanta tnaagaataa tggaaatttta    420
ttcccaggaa tatgggggtt atttatgaat antaccoggg anagaagttt tgantnaaac    480
cagttttggt taatacgtta atatgtcctn aatnaacaag gentgactta ttccaaaaa    540
aaaaaaaaaa aa

```

```

<210> 80
<211> 476
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

```

```

<400> 80
acaggggattt gagatgctaa ggccccagag atcgtttgat ccaacctctt tattttcaga    60
ggggaaaaatg gggcctagaa gttacagagc atctagctgg tgcgttgga cccctggcct    120
cacacagact cccagatgac tgggactaca ggcacacagt cactgaagca ggccctgttt    180
gcaattcacg ttgccacctc caacttaaac attcttcata tgtgatgtcc ttagtcaata    240
aggttaaaact ttcccaccca gaaaaggcaa cttagatmaa atcttagagt accttcatac    300
tcttctaagt cctcttcacg cctccctttg agtccctcct gggggttgat aggaantatc    360
tcttggcttt ctcaataaaa tctctatcca tctcatgttt aatttggtac gctaaaaaat    420
gctgaaaaaa taaaatgtt ctgggttcnc tttaaaaaaa aaaaaaaaaa aaaaaa    476

```

```

<210> 81
<211> 232
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

```

```

<400> 81

```

```

tttttttttg tatgeentcn etgtggngtt attgtttgtg ccaccttga ggagccaggt    60
ttctttctgta tctttctttt ctggggggtc ttcttggctc tccccctcca ttcccagcct    120
ctcatcccca tcttgcaactt ttgttagggg tggaggcgtt ttcttggtag cccctcagag    180
actcagtcag cgggaataag tcttaggggt ggggggtgtg gcaagccggc ct              232

```

```

<210> 82
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 82
agggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactggtgcc    60
agtaccagta ccaataacat gccagtgccg gtgccagcac cagtgggtggc ttccgtgctg    120
gtgccagcct gacgcgcact ctccacattg ggcctcttgc tggccttggg ggagctgggt    180
ccagcaccag tggcagctct ggtgcctgtg gtttctctca caagtggat tttagatatt    240
gttaatcctg ccagtctttc tcttcaagcc aggggtgcac ctccagaaac tactcaaacac    300
agcaactctg gcagccaeta tcaatcaatt gaagtgcaca ctctgcatta aatctatttg    360
ccatttcaaa aaaaaaaaaa aaa              383

```

```

<210> 83
<211> 494
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

```

```

<400> 83
accgaatttg gaccgctggc ttataagcga tcatgtcttc cagtattacc tcaacgagca    60
gggagatcga gtctatacgc tgaagaaatt tgacccgatg ggacaacaga cctgctcagc    120
ccatcctgct cggttctccc cagatgacaa atactctcga caccgaatca ccatcaagaa    180
acgcttcaag gtgctcatga cccagcaaac ggcgcctgtc ctctgagggt ccttaacctg    240
atgtcttttc tgcacactgt taccctctgg agactccgta accaaactct tcggactgtg    300
agccctgatg ccttttttgc agccatactc ttgggentcc agtctctcgt ggcgattgat    360
tatgtttgtg tgaggcaatc atggtggcat caccatnaa gggacacat ttgatttttt    420
tttncatat tttaaattac naccagaata nttcagaata aatgaattga aaaactctta    480
aaaaaaaaaa aaaa              494

```

```

<210> 84
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

```

```

<400> 84
gctggttagc tatggcgtgg ccacggangg gctcctgagg caccgggacg tgacttccca    60
agtatcctgc gccgcgtctt ctaccgtccc tacctgcaga tcttggggca gattccccag    120

```

```

gaggacatgg acgtggccct catggagcac agcaactgct cgtcggagcc cggcttctgg 180
gcacacccctc ctggggccca ggcgggcacc tgcgtctccc agtatgccaa ctggetggtg 240
gtgctgctcc tgcctatctt cctgctctgt gccaacatcc tgcctggtcc ttgctcattg 300
ccatgttcag ttacacattc ggcaaaagta agggcaacag cnatctctac tgggaaggcc 360
agcgttaccg cctcatccgg

```

```

<210> 85
<211> 481
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 85
gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggcctctcgc ttcataccgc 60
taccatcgtc atactgtagg ttgcccacca cctcctgcac ctgggggcgg ctaatatcca 120
ggaaactctc aatcaagtca cctcctatna aacctgtggc tggttctgtc ttccgctcgg 180
tgtgaaagga tctccagaag gagtgtctga tcttcccccac acttttgatg actttattga 240
gtcgattctg catgtccagc agggggttgt accagctctc tgacagttag gtcaccagcc 300
ctatcatgac attgaacgtg ccgaagaaca ccgagccttg tgtggggggt gnagtctcac 360
ccagattctg cattaccaga naggcgtggc aaaaganatt gacaactcgc ccaggmgaa 420
aaagaacacc tctggaagt gctngccgt cctcgtcctt tggtaggnag gentaccitt 480
t
481

```

```

<210> 86
<211> 472
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 86
aacatcttcc tgtataatgc tgtgtaatat cgatccgatt ttgtctgctg agaattcatt 60
acttggaasa gcaacttnaa gcctggacac tggattttaa attcacaata tgcacacatt 120
taaacagtgt gtcaatctgc tcccttactt tgcctcacc agtctgggaa taagggtatg 180
cctattccac acctgtttaa agggcgctaa gcatttttga ttcaacatct ttttttttga 240
cacaagtcog aaaaaagcaa agttaaaccg ttnttaattt gttagccast tcactttctt 300
catgggacag agccatttga tttaaaaagc aaattgcata atattgagct ttgggagctg 360
atatntgagc ggaagantag cctttctact tcaccagaca caactccttt catattggga 420
tgttnacnaa agttatgtct cttaccgatg ggatgctttt ggggcaatto tg
472

```

```

<210> 87
<211> 413
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```

```

<400> 87

```

```

agaaaccagt atctctnaaa acaacctctc ataccttggt gacctaatit tgtgtgcgtg      60
tgtgtgtgag cgcataattat atagacaggg acatcttttt tacttttgta aaagcttatg      120
cctcttttgt atctatatct gtgaaggttt taatgatctg ccataatgta ttggggacct      180
ttgtcttctg tgaatgggt actagagaaa acacctatnt tatgagtcga tctagttingt      240
tttatctgac atgaaggaaa ttccagatn acaacactna caacctctcc cttgactagg      300
ggggacaaag aaaaacanaa ctgaacatna gaacaaattn cctggtgaga aattncataa      360
acagaaattg ggtngtatat tgaanannng catcattnaa acgttttttt ttt              413

```

```

<210> 88
<211> 448
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 88
cgcagcgggt cctctctatc tagctccagc ctctcgcttg ccccaactccc cgcgtccccc      60
gtcttagccn accatggcgg ggcccctggg cgcctcgctg ctctgctgg ccctcctggc      120
cgtggccctg gccgtgagcc ccgcccgggg ctccagtcce ggcaagccgc cgcgcctggt      180
gggagggccc tggacccccc gtggaagaag aaggtgtgct gcgtgcactg gactttgccc      240
tcggcnanta caacaaaccc gccacnaact ttacnagcn cgcgtgcag gttgtgcgc      300
cccaanccaa ttgttactng gggtaanata ttcttggaa ttgaacctgy gccaaacnng      360
tttaccagaa ccnagccaat tngaacaatt ncccctccat aacagccctt tttaaaaagg      420
gaancatcc tgnctctttc caastttt              448

```

```

<210> 89
<211> 463
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

```

```

<400> 89
gaattttgtg cactggccac tgtgatggaa ccattgggce aggatgcttt gactttatca      60
gtagtgaatt tgcacaagtt ggtgttgtta catgagtatg taaaatgtca aaaaattagc      120
agaggtctag gtctgcatac cagcagacag ttgtccgtg tattttgtag ccttgaagtt      180
ctcagtgaac agttantttc gatgcgaagt tcctnattcca gtgttttagt cctttgcata      240
tttcatgttn agacttgccct ctntnaaatt gcttttgtnt totgcaggtc ctatctgttg      300
tttaacaaaa tsgaanmact tctctgcttn gaanatttga atatcttaca tctnaaaatn      360
aattctctcc ccatannaaa acccangccc ttggganaat ttgaaaaang gntccttcnn      420
aattcnana anttcagntn tcatacaaca naacngganc ccc              463

```

```

<210> 90
<211> 400
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

```

```

<400> 90
agggattgaa ggtctntntt actgtcggac tgttcaccca ccaactctac aagttgctgt      60
cttcacacta ctgtctgtaa gcntnttaac ccagactgta tcttcataaa tagaacaaat      120
tcttcacacg tccatctctc taggaccttt ttggattcag ttagttataag ctcttcacact      180
tccttttgta agacttcctc tggtaaaagt ttaagttttg tagaaaggaa tttaattgct      240
cgttctctaa caatgtctc tcttgaagt atttggctga ccaacccccc tnaagtcctt      300
ttgtgcctcc attttaata tacttaatag ggcattggtn cactaggtta aattctgcaa      360
gagtcactcg tctgcanaag ttgcgttagt atatctgcaa      400

```

```

<210> 91
<211> 480
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

```

```

<400> 91
gagctcggat ccaataatct ttgtctgagg gcagcacaca tatncagtgc catggnaact      60
ggtctacccc acatggggagc agcatgcctt agntatataa ggtcattccc tgagtcagac      120
atgcctcttt gactcccttg tgcagtgctt ggtgattctc acacacctcc nncctctctt      180
tgttgaaaaa ctggcacttg nctggaaacta gcaagacatc acttacaaat tcacccacga      240
gcacacttgaa aggtgtaaca aagcgactct tgcattgctt ttgtcctctc cggcaccagt      300
tgtcaatact acccgccttg ttgtcctcca tcacatttgt gatctgtagc tctggataca      360
tctcctgaca gtactgaaga acttctcttt ttgtttcaaa agcaactctt ggtgcctggt      420
ngatcagggt cccatttccc agtcogaagt ttcacatgga atatnttact tcccacaaaa      480

```

```

<210> 92
<211> 477
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

```

```

<400> 92
atacagccca tatccaccca cgaagatgag cttgttgact gagaacctga tgcggtcact      60
ggtcccgctg tagcccccagc gactctccac ctgctggaag cggttgatgc tgcactcctt      120
cccagcgagg cagcagcggg gccggtcact gaaetccact cgtggcttgg ggttgacggg      180
taantgcagg aagaggctga ccacctcgcg gtccaccagg atgcccgact gtccgggacc      240
tgcagcgaaa ctctctgatg gtcattgagc ggaagcgaaat gaggccagc gctttgcaca      300
gaaccttcgg cctgttctct ggcgtcaact gcagctgctg ccgetnacac tgggcctcgg      360
accagcgagc aaacggcggt gaacagcgcg acctcaaggc tgcocantgt gtcgcgctcc      420
aggaacggcn ccagcgtgtc caggtcaatg tgggtgaanc ctccgcgggt aatggcg      477

```

```

<210> 93
<211> 377
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

```

```

<400> 93
gaacggctgg accttgctc gcattgtgt gctggcagga ataccttggc aagcagctcc      60
agtcagagca gcccagagcc gctgcgcgcc gaagctaagc ctgcctctgg ccttccccctc    120
cgctcactg cagaacctt agtgggagca ctgtgtttag agttaagagt gaacactgtc      180
tgattttact tgggaatttc ctctgttata tagcttttcc caatgctaast ttccaaacaa      240
caacaacaaa ataacatgtt tgcctgttca gttgtataaa agtangtgat totgtatnta      300
aagaaaatat tactgttaca tatactgctt gcaantctg tattttattg tncctctggaa      360
ataaatatat tattaa

```

```

<210> 94
<211> 495
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

```

```

<400> 94
cccttgagg ggttagggc cagttccag tggagaaac aggcacagg aantgcgtgc      60
cgagctgag cagatttccc acagtgaacc cagagccctg ggctatagtc totgacctc      120
ccaaggaaag accaccttct ggggacatgg gctggagggc aggcctaga ggcaccaagg      180
gaagggccca ttccggggct gttcccccag gaggaagggg aggggctctg tgtgcccccc      240
acgaggaana ggccctgant cctgggatca nacacccctt caagtgtatc cccacacaaa      300
tgcaagctca ccaaggtccc ctctcagtec ctccctaca cctgaacgg scactggccc      360
acacccaacc agancancca cccgccatgg ggaatgttct caaggaaatg cngggcaacg      420
tggactctng tcccnnaagg gggcagaatc tccaatagan gganngaacc cttgctnana      480
aaaaaaaaa aaaaa

```

```

<210> 95
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 95
ggttacttgg ttccattgac accacttagt ggatgtcatt tagaaccatt ttgtctgctc      60
cctctggaag ccttgcgcag agcggaactt gtaattgttg gagaataact gctgaatttt      120
tagctgtttt gagtgtattc gcaccaactgc accacaactc aatctgaaaa ctatttnact      180
tatttattat ctgtgaaaa gtatacaatg aaaaftttgt tcatactgta tttatcaagt      240
atgatgaaaa gcaatagata tatattcttt taitatgttn aattatgatt gccattatta      300
atcggaacaa tgtggagtgt atgttctttt cacagtaata tatgcctttt gtaacttcac      360
ttggttattt tattgtaaat gaattacaaa attcttaatt taagaaatg gtangttata      420
tttanthcan taatttcttt cttgttttac gttaattttg aaagaatgc at

```

```

<210> 96
<211> 476
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```


35

<222> (1)...(476)

<223> n = A,T,C or G

<400> 96

ctgaagcatt	tcttcaaaact	tntctacttt	tgtcattgat	acctgtagta	agttgacaat	60
gtgggtgaat	ttcaaaaatta	tatgtaaact	ctactagttt	tactttctcc	ccccagtttt	120
tttttaactca	tgattttttac	acacacaaac	cagaacttat	tatatagcct	ctaagtcttt	180
attcttcaca	gtagatgatg	aaagagtcct	ccagtgctct	gngcanaatg	ttctagntat	240
agctggatac	atacngtggg	agttctataa	actcatacct	cagtgggact	naaccaaaat	300
tgtgttagtc	tcaattccta	ccacactgag	ggagcctccc	saatcactat	attcttatct	360
gcaggtactc	ctccagaaaa	acngacaggg	caggcttgca	tgaaaaagtn	acatctgcgt	420
tacaaagtct	atcttctcca	nangtotgtt	aaggaaacaat	ttaattctct	agcttt	476

<210> 97

<211> 479

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 97

actttttcta	atgctgatat	gatcttgagt	ataagaatgc	atctgtcact	agaatggata	60
aaataatgct	gcaaaactta	tggtcttatg	caaatatgaa	cgctaataga	acacagctta	120
caatcgcaaa	tcaaaaactca	caagtgcctc	tctgttgtag	atttagtgta	ataagactta	180
gattgtgctc	cttcggatat	gattgtttct	canatcttgg	gcaatattcc	ttagtcaaat	240
caggctacta	gaattctggt	attggataat	tgagagcaatg	aaatttttaa	saatacactt	300
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<210> 98

<211> 451

<212> DNA

<213> Homo sapien

<400> 98

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<211> 171

<212> DNA

<213> Homo sapien

<400> 99

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 <212> DNA
 <213> Homo sapien

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 <213> Homo sapien

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 <211> 382
 <212> PRT
 <213> Homo sapien

<400> 108

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245	250	255
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260	265	270
Asp Val Phe Ala Lys Lys Thr Lys Ala Glu Trp	Cys Gln Ile Phe Asp	
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Gly Thr Asp Ala Cys Val Thr Pro Val Leu Thr	Phe Glu Glu Val Val	
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His His Asp His Asn Lys Glu Arg Gly Ser Phe	Ile Thr Ser Glu Glu	
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Gln Asp Val Ser Pro Arg Pro Ala Pro Leu Leu	Leu Asn Thr Pro Ala	
325	330	335
Ile Pro Ser Phe Lys Arg Asp Pro Phe Ile Gly	Glu His Thr Glu Glu	
340	345	350
Ile Leu Glu Glu Phe Gly Phe Ser Arg Glu Glu	Ile Tyr Gln Leu Asn	
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<210> 109

<211> 1524

<212> DNA

<213> Homo sapien

<480> 109

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<211> 3410

<212> DNA

<213> Homo sapien

<400> 110

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tagcgggggt	aatattttat	actgttaagt	agcaatcaga	gtataatgtt	tatggtgaca	3300

aaattaaagg ctttcttata tgtttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3360
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3410

<210> 111
 <211> 1289
 <212> DNA
 <213> Homo sapien

<400> 111
 agccaggcgt cccctctgct gccactctag tggcaacacc cgggagctgt ttgtctcttt 60
 gtggagcctc agcagttccc tcttccagaa ctcactgcca agagccctga acaggagcca 120
 ccattgcagt cttcagcttc attaagacca tgatgatcct cttcaatttg ctcactcttc 180
 tgtgtggtgc agccctgttg gcagtgggca tctgggtgtc atcgatggg gcatcctttc 240
 tgaagatctt cgggcactg tctccagtgc ccatgcagtt tctccagctg ggtactcttc 300
 tcatcgagc cggcgttgtg gtctttgtct ttggtttcct ggctgctat ggtgctaaga 360
 ctgagagcca gtgtgcccct gtgaagttct tcttcatcct cctctcctc ttcattgctg 420
 aggttgcagc tctgtgtgtc gcttgggtgt acaccacaat ggctgagcac tctctgacgt 480
 tctctgtagt gcttgcctc agaaaagatt atggttccca ggaagacttc actcaagtgt 540
 ggaacacccc catgaaaggg ctcaagtgtc gtggtctcac caactatacg gattttgagg 600
 actcacccta ctccaaagag aacagtgcct tcccccatt ctgttgcaat gacaacgtca 660
 ccaacacagc caatgaaacc tgcaccaagc aaaaggctca cgaacaaaaa gttagagggt 720
 gcttcaatca gcttttgtat gacatccgaa ctactgcagt cccctgtggg ggtgtggcag 780
 ctggaatttg gggcctcgag ctggctgcca tgattgtgtc catgtatctg tactgcaatc 840
 tacaataagt ccactctctc ctctgcccact actgctgcca catgggaact gtgaagaggg 900
 accctggcaa gcagcagtg tctggggagg ggcaggatc taacaatgto acttggggcca 960
 gaatggacgt gccctttctg ctccagactt ggggctagat agggaccact ccttttagcg 1020
 atgctgact ttccttccat tgggtggtgg atgggtggg ggcattccag agcctctag 1080
 gttagcagtt ctgttgccca tccccccagt ctattasacc cttgatatgc cccctaggcc 1140
 tagtggtagt cccagtgtc tactggggga tgagagaaag gcattttata gctggggcat 1200
 aagtgaatc agcagagcct ctgggtggat gtgtagaagg cacttcaaaa tgcataaacc 1260
 tgttacaatg ttaaaaaaaa aaaaaaaaaa 1289

<210> 112
 <211> 315
 <212> PRT
 <213> Homo sapien

<400> 112
 Met Val Phe Thr Val Arg Leu Leu His Ile Phe Thr Val Asn Lys Gln
 1 5 10 15
 Leu Gly Pro Lys Ile Val Ile Val Ser Lys Met Met Lys Asp Val Phe
 20 25 30
 Phe Phe Leu Phe Phe Leu Gly Val Trp Leu Val Ala Tyr Gly Val Ala
 35 40 45
 Thr Glu Gly Leu Leu Arg Pro Arg Asp Ser Asp Phe Pro Ser Ile Leu
 50 55 60
 Arg Arg Val Phe Tyr Arg Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro
 65 70 75 80
 Gln Glu Asp Met Asp Val Ala Leu Met Glu His Ser Asn Cys Ser Ser
 85 90 95
 Glu Pro Gly Phe Trp Ala His Pro Pro Gly Ala Gln Ala Gly Thr Cys
 100 105 110
 Val Ser Gln Tyr Ala Asn Trp Leu Val Val Leu Leu Leu Val Ile Phe
 115 120 125
 Leu Leu Val Ala Asn Ile Leu Leu Val Asn Leu Leu Ile Ala Met Phe
 130 135 140
 Ser Tyr Thr Phe Gly Lys Val Gln Gly Asn Ser Asp Leu Tyr Trp Lys
 145 150 155 160

Ala Glu Arg Tyr Arg Leu Ile Arg Glu Phe His Ser Arg Pro Ala Leu
 165 175
 Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu Leu Arg Glu
 180 185 190
 Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro Ala Leu Glu
 195 200 205
 His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr
 210 215 220
 Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg Ala Arg Asp
 225 230 235 240
 Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser Gln Lys Val
 245 250 255
 Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr Glu Gln Arg
 260 265 270
 Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg Val Leu Gly
 275 280 285
 Trp Val Ala Glu Ala Leu Ser Arg Ser Ala Leu Leu Pro Pro Gly Gly
 290 295 300
 Pro Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp
 305 310 315

<210> 113
 <211> 563
 <212> PRT
 <213> Homo sapien

<403> 113
 Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
 1 5 10 15
 Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
 20 25 30
 Ala Ala Gly Ile Thr Tyr Val Pro Leu Leu Leu Glu Val Gly Val
 35 40 45
 Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly
 50 55 60
 Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly
 65 70 75 80
 Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile
 85 90 95
 Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu
 100 105 110
 Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Leu Ile Leu Gly
 115 120 125
 Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu
 130 135 140
 Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala
 145 150 155 160
 Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr
 165 170 175
 Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu
 180 185 190
 Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu
 195 200 205
 Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly
 210 215 220
 Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His
 225 230 235 240
 Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu

				245					250					255	
Leu	Pro	Arg	Leu	His	Gln	Leu	Cys	Cys	Arg	Met	Pro	Arg	Thr	Leu	Arg
			260						265				270		
Arg	Leu	Phe	Val	Ala	Glu	Leu	Cys	Ser	Trp	Met	Ala	Leu	Met	Thr	Phe
		275					280					285			
Thr	Leu	Phe	Tyr	Thr	Asp	Phe	Val	Gly	Glu	Gly	Leu	Tyr	Gln	Gly	Val
	290					295					300				
Pro	Arg	Ala	Glu	Pro	Gly	Thr	Glu	Ala	Arg	Arg	His	Tyr	Asp	Glu	Gly
305					310					315				320	
Val	Arg	Met	Gly	Ser	Leu	Gly	Leu	Phe	Leu	Gln	Cys	Ala	Ile	Ser	Leu
			325						330					335	
Val	Phe	Ser	Leu	Val	Met	Asp	Arg	Leu	Val	Gln	Arg	Phe	Gly	Thr	Arg
			340					345					350		
Ala	Val	Tyr	Leu	Ala	Ser	Val	Ala	Ala	Phe	Pro	Val	Ala	Ala	Gly	Ala
		355					360					365			
Thr	Cys	Leu	Ser	His	Ser	Val	Ala	Val	Val	Thr	Ala	Ser	Ala	Ala	Leu
	370					375					380				
Thr	Gly	Phe	Thr	Phe	Ser	Ala	Leu	Gln	Ile	Leu	Pro	Tyr	Thr	Leu	Ala
385					390					395				400	
Ser	Leu	Tyr	His	Arg	Glu	Lys	Gln	Val	Phe	Leu	Pro	Lys	Tyr	Arg	Gly
			405						410					415	
Asp	Thr	Gly	Gly	Ala	Ser	Ser	Glu	Asp	Ser	Leu	Met	Thr	Ser	Phe	Leu
		420						425					430		
Pro	Gly	Pro	Lys	Pro	Gly	Ala	Pro	Phe	Pro	Asn	Gly	His	Val	Gly	Ala
	435						440					445			
Gly	Gly	Ser	Gly	Leu	Leu	Pro	Pro	Pro	Pro	Ala	Leu	Cys	Gly	Ala	Ser
	450					455					460				
Ala	Cys	Asp	Val	Ser	Val	Arg	Val	Val	Val	Gly	Glu	Pro	Thr	Glu	Ala
465					470					475				480	
Arg	Val	Val	Pro	Gly	Arg	Gly	Ile	Cys	Leu	Asp	Leu	Ala	Ile	Leu	Asp
			485						490					495	
Ser	Ala	Phe	Leu	Leu	Ser	Gln	Val	Ala	Pro	Ser	Leu	Phe	Met	Gly	Ser
		500						505					510		
Ile	Val	Gln	Leu	Ser	Gln	Ser	Val	Thr	Ala	Tyr	Met	Val	Ser	Ala	Ala
		515					520					525			
Gly	Leu	Gly	Leu	Val	Ala	Ile	Tyr	Phe	Ala	Thr	Gln	Val	Val	Phe	Asp
	530					535					540				
Lys	Ser	Asp	Leu	Ala	Lys	Tyr	Ser	Ala							
545					550										

<210> 114

<211> 241

<212> PRT

<213> Homo sapien

<400> 114

Met	Gln	Cys	Phe	Ser	Phe	Ile	Lys	Thr	Met	Met	Ile	Leu	Phe	Asn	Leu
1				5					10					15	
Leu	Ile	Phe	Leu	Cys	Gly	Ala	Ala	Leu	Leu	Ala	Val	Gly	Ile	Trp	Val
		20						25					30		
Ser	Ile	Asp	Gly	Ala	Ser	Phe	Leu	Lys	Ile	Phe	Gly	Pro	Leu	Ser	Ser
		35					40					45			
Ser	Ala	Met	Gln	Phe	Val	Asn	Val	Gly	Tyr	Phe	Leu	Ile	Ala	Ala	Gly
	50					55					60				
Val	Val	Val	Phe	Ala	Leu	Gly	Phe	Leu	Gly	Cys	Tyr	Gly	Ala	Lys	Thr
	65				70					75				80	
Glu	Ser	Lys	Cys	Ala	Leu	Val	Thr	Phe	Phe	Ile	Leu	Leu	Leu	Ile	
				85				90						95	

Phe Ile Ala Glu Val Ala Ala Ala Val Val Ala Leu Val Tyr Thr Thr
 100 105 110
 Met Ala Glu His Phe Leu Thr Leu Leu Val Val Pro Ala Ile Lys Lys
 115 120 125
 Asp Tyr Gly Ser Gln Glu Asp Phe Thr Gln Val Trp Asn Thr Thr Met
 130 135 140
 Lys Gly Leu Lys Cys Cys Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp
 145 150 155 160
 Ser Pro Tyr Phe Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn
 165 170 175
 Asp Asn Val Thr Asn Thr Ala Asn Glu Thr Cys Thr Lys Gln Lys Ala
 180 185 190
 His Asp Gln Lys Val Glu Gly Cys Phe Asn Gln Leu Leu Tyr Asp Ile
 195 200 205
 Arg Thr Asn Ala Val Thr Val Gly Gly Val Ala Ala Gly Ile Gly Gly
 210 215 220
 Leu Glu Leu Ala Ala Met Ile Val Ser Met Tyr Leu Tyr Cys Asn Leu
 225 230 235 240
 Gln

<210> 115
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 115
 gctctttctc tccccctc tgaatttaaat tctttcaact tgcattttgc aaggattaca 60
 catttcaactg tgatgtatat tgtgttgcaa aaaaaaasaa gtgtctttgt ttaaaattac 120
 ttggtttgtg aatccatctt gctttttccc catttgaact agtcattaac ccattctctga 180
 actggttagaa aaacatctga agagctagtc tctcagcctc tgacaggtga attggttgtt 240
 tctcagaacc atttaccaca gacagcctgt tctatctctg tttaataaat tagtttggtt 300
 tctctacatg cataacaaac cctgctccaa tctgtccat aaaagtctgt gacttgaagt 360
 ttagtc 366

<210> 116
 <211> 282
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 116
 acaagatga accatttctt atattatagc aaatttaaaa tctaccctga ttctaatatt 60
 gagaaatgag atnaaacaca atttataaaa gtctacttag agaagatcaa gtgacctcaa 120
 agactttact attttcatat ttttaagcac atgatttate ctatttttagt aaactgggtc 180
 atactttaa ccaaggataa tgtgacagc agagaggatt tgttggcaga aactctatgt 240
 tcaatctnga actatctana tcacagacat ttctatttct tt 282

<210> 117
 <211> 305
 <212> DNA
 <213> Homo sapien

<220>

45

<221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 117
 acacatgtcg cttcaactgcc ttcttagatg cttctgggtca acatanagga acagggacca 60
 tatttatcct cctccttgaa acaattgcaa aataanacaa aatatatgaa acaattgcaa 120
 aataaggcaa aatatatgaa acascaggtc tcgagatatt ggaatcagt caatgaagga 180
 tactgatccc tgatcactgt cctaattgcag gatgtgggaa acagatgagg tcacctctgt 240
 gaatgccccg gcttactgcc tgiagagagt ttctangety cagttcagac agggagaat 300
 tgggt 308

<210> 118
 <211> 71
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(71)
 <223> n = A,T,C or G

<400> 118
 accaaggtgt atgaatctct gaagtgggga tctctgattc cgcacacac tcagtggaaa 60
 aantctggg t 71

<210> 119
 <211> 212
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(212)
 <223> n = A,T,C or G

<400> 119
 actccgggtg gtgtcagcag cactgtggat tgaacatgac aatgtggagc ccaaacccca 60
 gaaatgggg tgaaattggc caactttcta tnaacttatg ttggcaantt tgcacccaac 120
 agtaagctgg cctttcta ataaagaaaat tgaaggttt ctactaane ggaattaant 180
 aatggantca agantctccc agcctcagc gt 212

<210> 120
 <211> 90
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(90)
 <223> n = A,T,C or G

<400> 120
 actcgttgca nctcaggggc cccacagagt ccccggtgca ggagtccttc tggttcttgc 60
 ctccgcgggc gcagaacatg ctggggtggg 90

<210> 121
 <211> 218

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)... (218)
<223> n = A,T,C or G

<400> 121
tgtancgtga anacgcacaga nagggttgto aaaaatggag aanccttgaa gtcattttga 60
gaataagatt tgctaaaaga tttggggcta aaacatgggtt attgggagac atttctgaag 120
atatncangt aaattangga atgaattcat ggttcttttg ggaattcatt tacgatngcc 180
agcatanaet tcatgtgggg atancageta cctttgta 218

<210> 122
<211> 171
<212> DNA
<213> Homo sapien

<400> 122
taggggtgta tgcaactgta aggcacacaa ttgagactca actggcttaa ccaataaagg 60
catttggttag ctcatggaac aggaagtcgg atgggtgggg atcttcagtg ctgcatgagt 120
caccaccccc ggggggtcat ctgtgccaca ggtccctgtt gacagtgggg t 171

<210> 123
<211> 76
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)... (76)
<223> n = A,T,C or G

<400> 123
tgtagcgtga agacnacaga atgggtgtgtg ctgtgcctatc caggaacaca tttattatca 60
ttatcaanta ttgtgt 76

<210> 124
<211> 131
<212> DNA
<213> Homo sapien

<400> 124
acctttcccc aaggccaatg tctgtgtgtc taactggcgg gctgcgggac agctgcaatt 60
caatgtgctg ggtcatatgg aggggaggag actctaaaat agccaatttt attctcttgg 120
ttaagatttg t 131

<210> 125
<211> 432
<212> DNA
<213> Homo sapien

<400> 125
acttttateta ctggctatga aatagatggt ggaaaattgc gttaccaact ataccactgg 60
cttgaacaaag aggtgatagc tcttcagagg acttgtgact ttgtctcaga tgctgaagaa 120
ctacagctctg catttggcag aatgaagat gaatttggat taaatgagga tgctgaagat 180
ttgctctcaco aaacaaaagt gaaacaaact agagaaaatt ttcagysaaa aagacagtgg 240

```

ctcttgaagt atcagtcact ttgagaatg tttcttagtt actgcatact tcatggatcc 300
catggtgggg gtcttgcatc tctaagaatg gaattgattt tgcctttgca agaattctcag 360
caggaaacat cagaaccact attttctagc cctctgtcag agcaaacctc agtgcctctc 420
ctctttgctt gt 432

```

<210> 126

<211> 112

<212> DNA

<213> Homo sapien

<400> 126

```

acacaacttg aatagtataa tagaaactga gctgaatttt ctaattcact ttctaaccat 60
agtaagaatg atatttcccc ccagggatca ccaattattt ataataattt gt 112

```

<210> 127

<211> 54

<212> DNA

<213> Homo sapien

<400> 127

```

accacgaacc ccaaaacsag atggaagcat caatccactt gccaaacaca gcag 54

```

<210> 128

<211> 323

<212> DNA

<213> Homo sapien

<400> 128

```

acctcattag taattgtttt gttgtttcat tttttcttaa tgtctccctt ctaccagctc 60
acctgagata acagaatgaa aatgggaagg cagccagatt tctcctttgc tctctgtcca 120
ttctctctga agtctaggtt acccattttg gggacccatt atagggcaata aacacagttc 180
ccaaagcatt tggacagttt cttgtttgtt tttagaatgg ttttcctttt tottagcctt 240
ttcctgcaaa aggtccactc agtcccttgc ttgctcagtg gactgggctc cccaggggct 300
aggtctgctt cttttcatg tcc 323

```

<210> 129

<211> 192

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (192)

<223> n = A, T, C or G

<400> 129

```

acctacatgt gtgtatattt ttaastatca cttttgtatc actctgactt tttagcatac 60
tgaaaacaca ctaacataat ttntgtgaac catgatcaga tacaaccaca atcattcacc 120
tagcaccttc atctgtgata naaagatagg tgagtttcat ttctttcag ttggccaatg 180
gataaacaaa gt 192

```

<210> 130

<211> 362

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

48

<222> (1)...(362)

<223> n = A,T,C or G

<400> 130

ccctttttta	tggaatgagt	agaactgtatg	tttgaanatt	tanccacaac	ctctttgaca	60
tataatgagc	caacaaaaag	gtgctgttta	gtcctatggt	tcagtttatg	cccttgacaa	120
gtttccattg	tgtttttgcg	atcttctggc	taatcgtggg	atcctccatg	ttattagtaa	180
ttctgtattc	catttttgta	acgcctggta	gatgtaacct	gctangaggc	taactttata	240
cttattttaa	agctcttatt	ttgtggtcat	taaaatggca	atttatgtgc	agcactttat	300
tgcagcagga	agcaactgtg	ggttggttgt	aaagctcttt	gctaacttta	aaaagtaatg	360
gg						362

<210> 131

<211> 332

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 131

ctttttgaaa	gategtgtcc	actcctgtgg	acatcttggg	ttaatggagt	ttcccatgca	60
gtangactgg	tatgggttgc	gctgtccaga	taaaaacatt	tgaagagctc	caaatgaga	120
gtttccccc	gttcgcccgt	ctgtcccaag	tctcagcagc	agcctctttt	aggaggcctc	180
ttctgaacta	gatttaaggca	gcttgtaaat	ctgatgtgat	ttggtttatt	atccaactaa	240
cttccatctg	ttatcactgg	agaaagccca	gactcccan	gacnggtacg	gattgtgggc	300
atanaaggat	tgggtgaagc	tggcgttgtg	gt			332

<210> 132

<211> 322

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(322)

<223> n = A,T,C or G

<400> 132

acttttgcca	ttttgtatat	ataaacaatc	ttgggacatt	ctcctgaasa	ctaggtgtcc	60
agtggctaa	agaactcgat	ttcaagcaat	tctgaaagga	aaaccagcat	gacacagaat	120
ctcaaatcc	caaacagggg	ctctgtggga	aaaatgaggg	aggacotttg	tatctcgggt	180
tttagcaagt	tcaaatgaan	atgacaggaa	aggetttatt	atcaacaaag	agaagagttg	240
ggtatcttct	aaaaaaaaact	ttggtagaga	aataggaat	gctnaatcct	agggagacct	300
gtaacaatct	acaatttggtc	ca				322

<210> 133

<211> 278

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(278)

<223> n = A,T,C or G

```

<400> 133
acaagccttc acaagtttaa ctaaatiggg attaatcttt ctgtanttat ctgcataatt    60
cttggtttttc ttccatcttg gctcctgggt tgacaatttg tggaaacaaac tctattgcta    120
ctattttaaas aaaatcacaa atctttccct ttaagctatg ttnaatlcas actatctctg    180
ctattcctgt tttgtcassg aaattatatt ttccaaaata tgtntatttg ttggtgggt    240
cccacgaaac actaataaaa accacagaga ccagcctg    278

```

<210> 134

<211> 121

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (121)

<223> n = A,T,C or G

```

<400> 134
gtttanaaaa cttgtttfagc tccatagagg aaagaatggt aaactttgta ttttaaaaca    60
tgattctctg aggttaaaact tggttttcaa atgttatttt taacttgtatt ttggttttgg    120
t    121

```

<210> 135

<211> 350

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (350)

<223> n = A,T,C or G

```

<400> 135
acttanaaac atgcctagca catcagaatc cctcaasgaa catcagtata atcctataacc    60
atancaagtg gtgactggtt aagcgtgcga caaagggtcag ctggcacatt acttggtgtgc    120
aaacttgata cttttgttct aagtaggaac tagtatacag tncctaggan tggtaactcca    180
gggtgcccc caactcctgc agccgctcct ctgtgccagn cctgnaagg aactttcgtc    240
ccacctcaat caagccctgg gccatgctac ctgcaattgg ctgaacaaac gtttgctgag    300
ttcccaagga tgcaagcct ggtgctcaac tctggggcg tcaactcagt    350

```

<210> 136

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (399)

<223> n = A,T,C or G

```

<400> 136
tgtaccgtga agacgacaga agttgcatgg cagggacagc gcaggggcga ggcacagggt    60
gctgtgattg tatccgasta ntcctcgtga gaaaagataa tgagatgacg tgagcagcct    120
gcagacttgt gtctgccttc aanaagccag acaggaagge cctgcctgcc ttggctctga    180
cctggcgggc agccagccag ccacaggtgg gcttcttctt tttgtggtga caacnccaag    240
aaaactgcag aggccaggg tcaggtgtta gtgggtangt gaccataaaa caccaggtgc    300
tcccaggaa cccggcgaag gccatcccca cctacagcca gcctgcccaac tggcgtgatg    360
ggtgcagang gatgaagcag ccagntgttc tctgttgtt    399

```

<210> 137
 <211> 165
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(165)
 <223> n = A,T,C or G

<400> 137
 actgggtgtgg tnggggggtga tgcctggtggt anaagttgaa gtgacttcaa gatgggtgtgt 60
 ggaaggaaagt tgtgaacgta gggatgtaga ngttttggcc gtgataaatg agcttcggga 120
 ttggctggtc ccactggtgg tcaatgtcat tggtaggggt cctgt 165

<210> 138
 <211> 338
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 138
 actcaactgga atgccacatt cacaacagaa tcagaggtct gtgaaaacat taatggctcc 60
 ttaacttctc cagtaagaat cagggacttg aatggaaac gttaacagcc acatgccaa 120
 tctggggcag tctcccatgc ctccacagt gaaagggctt gagaasaatc acatccaatg 180
 tcatgtgttt ccagccacac caaaggtgc ttggggtgga gggctggggg catanaggt 240
 cangcctcag gaagcctcaa gttccattca gctttgcac tgtacattcc caatntttaa 300
 aaaaactgat gctttttttt tttttttttg taaaattc 338

<210> 139
 <211> 362
 <212> DNA
 <213> Homo sapien

<400> 139
 gggaatcttg gtttttggca tctggtttgc ctatagccga ggccactttg acagaaacaa 60
 gaaagggact tcagtaaga aggtgattta cagccagcct agtgcccgaa gtgaaggaga 120
 attcaaacag acctgtcat tcttggtgtg agcctggtcg gctcacggcc tatcatctgc 180
 atttgcctta ctcagggtgt accggactct ggccctgat gtctgtagtt tcacaggatg 240
 ccttatttct cttctacacc ccacagggcc ccttaattct tcggatgtgt ttttaataat 300
 gtcagctatg tgcccatcc tcttcatgc cctccctccc ttctctacca ctgctgagtg 360
 gcttgaact tgtttaaagt gt 382

<210> 140
 <211> 200
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(200)
 <223> n = A,T,C or G


```

<400> 140
acccaaacatt cttctctgttg tgttngattt tactataggy gtttngcttn ttctaaanatt    60
acttttcaatt taacancctt tgttaagtgt caggctgcac ttctctccat anaattattg    120
ttttcacatt tcaacttgta tgtgtttgtc tcttanagca ttggtgaaat cacatatttt    180
atatcagca taaaggagaa

```

```

<210> 141
<211> 335
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

```

```

<400> 141
actttatttt caaacacactc atatgttgca aaaaacacat agaaaaataa agtttggttg    60
gggtgctgac taaccttcac gtcacagact tttatgtgac agattggagc agggtttqct    120
atgcattgtag agaaccdaaa ctaattttatt aaacaggata gaaacaggct gtctgggtga    180
aatggttctg agaaccatcc aattcacctg tcagatgctg atnactagc tcttcagatg    240
ttttctacac agttcagaga tnggttaatg actanttcca atggggaaaa agcaagatgg    300
attcacaaac caagtaattt taacaaaaga cactt

```

```

<210> 142
<211> 459
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

```

```

<400> 142
accaggttaa tattggcaca tatatctttt ccaattgcgg gctaaacaga cgtgtattta    60
gggttggttta aagacaaccc agcttaatat caagagaaat tgtgaccttt catggagtat    120
ctgatggaga aaacactgag ttttgacaaa tcttatttta ttcagatagc agtctgatca    180
cacatggctc acaacactc aaataataaa tcaatatna tcagatgtta aagattggtc    240
ttcaaacatc atagccaatg atgcccggct tgcctataat ctctccgaca taanaaccaca    300
tcaaacactc agtggccacc aaaccattca gcacagcttc cttaactgtg agctgtttga    360
agctaccagt ctgagcacta ttgactatnt ttttcangct ctgaatagct ctagggtatc    420
cagcanggtt gggaggaacc agctcaacct tggcgtant

```

```

<210> 143
<211> 140
<212> DNA
<213> Homo sapien

```

```

<400> 143
acatttcttt ccaccaagtc aggactcctg gcttctgttg gaggttctat cacctgaggg    60
aaatccaaac agtctctctt agaaaggaat agtgtcaccs accccacca totectgag    120
accatccgac ttccctgtgt

```

```

<210> 144
<211> 164
<212> DNA
<213> Homo sapien

```

<220>
 <221> misc_feature
 <222> (1)...(164)
 <223> n = A,T,C or G

<400> 144
 acttcagtaa caccctacaa taccacacatt aagtgtatat tggcatcttt gtcattttct 60
 atctatacca ctctcccttc tgaacaacaan aatcaactanc caatcactta tacaattttg 120
 aggcatttaa tocatatttg ttttcaataa ggaaaaaaag atgt 164

<210> 145
 <211> 303
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(303)
 <223> n = A,T,C or G

<400> 145
 acgttagacca tccaaetttg tatttgtaat ggcasaacac cagnagcaat toctaaacaa 60
 actggagggt atttataacc aattatacca ttcatteaca tgcctctctc ctgaggctat 120
 gcaggacaga tatcataagt cggcccagga atccagatac taccattttg ataaacttca 180
 gtaggggagt ccatccaagt gacaggtcta atcaaaaggag gaatatggaac ataagccccg 240
 tagtaaatn ttgcttagct gaacacagcca caaaagactt accgccgtgg tgattaccat 300
 caa 363

<210> 146
 <211> 327
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(327)
 <223> n = A,T,C or G

<400> 146
 actgcagctc aattagaagt ggtctctgac ttctcatcanc ttctccctgg gctccatgac 60
 actggcctgg agtgactcat tgcctctggtt ggttgagaga gctcctttgc caacaggcct 120
 ccaagtcagg gctgggattt gtttcttttc cacattctag caacaatatg ctggccactt 180
 cctgaacagg gagggtggga ggagccagca tggacaagc tggcactttc taaagtagcc 240
 agacttgccc ctgggactgt cacacctact gatgaacctt tgtgacctga ggatggaatg 300
 taggggtgag ctgtgtgact ctatggt 327

<210> 147
 <211> 173
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(173)
 <223> n = A,T,C or G

<400> 147

```

acattgtttt tttagatata agcattgana gagctctoct taactgtaca caatggaaagg      60
actggaacac ataccacat ctttgttctg agggataatt ttctgatana gtcttgctgt      120
atttcaagc acatatgta tatattatto agttccatgt ttatagccta gtt              173

```

<210> 149

<211> 477

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 149

```

acaaccactt tatctcatcg aatttttaac ccaaacctac tcaactgtgc ttctatctct      60
atgggatata ttatttgatg ctccatttca tcacacatat atgaataata cactcatact      120
gacctactac ctgctgcact aatcacattc ccttctgtgc ctgacctga agccattggg      180
gtggtcctag tggccatcag tccangectg caacttgagc ccttgagctc cattgtcac      240
nccanccac ctcaccgacc ccatctctct acacagctac ctcttgctc tctaacccca      300
tagattaknt ccaaatccag tcaattaagt tactattnac actctaccgg acatgtccag      360
caccactggt aagccttctc cagccaacac acacacacac acanccacac acacacatat      420
ccaggccacag gctacctcat ctccacaatc acccctttta ttaccatgct atgggtgg      477

```

<210> 149

<211> 207

<212> DNA

<213> Homo sapien

<400> 149

```

acagttgat tataatatca agaatataac ttgcaatgag agcatttaag agggagaagc      60
taacgtatct tagagagcca aggaaggctt ctgtggggag tgggatgtaa ggtggggcct      120
gatgataaat aagagtcagc caggtaagtg ggtggtgttg tatgggcaca gtgaagaaca      180
tttcaggcag agggacagc agtgaaa

```

<210> 150

<211> 111

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(111)

<223> n = A,T,C or G

<400> 150

```

accttgatct cattgctgct ctgatggaaa ccaactatc taatttagct aaacatggg      60
cacttaaatg tggtcagctg ttggacttgt taactantgg catctttggg t              111

```

<210> 151

<211> 186

<212> DNA

<213> Homo sapien

<400> 151

```

agcggggcag gtcatttga acattccaga tactatcat tactcgatgc tgttgataac      60
agcaagatgg ctttgaactc agggtaacca ccagctattg gaccttacta tgaataccat      120
ggataccaac cggaaaaccc ctatcccgca cagccactg tggccccac tgtctacgag      180

```

gtgcacccgg ctcagt 196

<210> 152
<211> 132
<212> DNA
<213> Homo sapien

<400> 152
acagcaccttt cacatgtaag aagggagaaa ttccataaatg taggagaaaag ataacagaac 60
cttcacctttt tcactatagt gtggaaacct gatgccttat gttgacagga atagaaccag 120
gagggagttt gt 132

<210> 153
<211> 285
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G
<400> 153
acaanaccca nganaggcca ctggccgttg tgcatggcc tccaaacatg aaagtgtcag 60
cttctgctct tatgtctca tctgacaact ctttaccatt ttatctctcg ctacgcagga 120
gcacatcaat aaagtcacaa gtcttggact tggccttggc ttggagggaag tcatcaaac 180
cctggctagt gaggggtgagg cgcgcctcct ggaagacggc atctgtgaag tegtgcacca 240
gtctgcaggc cctgtggaag cgcgcctcac acggagttag gaatt 285

<210> 154
<211> 333
<212> DNA
<213> Homo sapien

<400> 154
accacagtc tcttgggcca ggccttcctg accctttctg tgaaaagcca tattatcacc 60
accccaatt ttcccttaaa tatctttaac tgaaggggtc agcctcttga ctgcaaagac 120
cctaagccgg ttacacagct aactccact ggccttgatt tctgaaattg ctgtgcctg 180
attggcacag gagtcgaagg tcttcagctc cctcctccg tggaaagaga ctctgattg 240
agtttcacaa attctcgggc cactctgtca ttgctcctct gaaataaaat ccggagaatg 300
gtcaggcctg tctcatccat atggtcttcc egg 333

<210> 155
<211> 308
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G
<400> 155
actggaaata ataaaaccca cctcacagtg ttgtgtcaaa gatcatcagg gcatggatgg 60
gaaagtgtt tgggaactgt aaagtgccta acacatgate gatgattttt gttataatat 120
ttgaatcag gtgcatacaa actctcttgc ctgctctctc tggcccccag ccccgcccc 180
atcacagctc actgctctgt tcatccagga ccagcatgta gtggctgatt cttcttggct 240
gtttttagcc tccanaagtt tctctgaagc caacaaaacc tctangtga aggcctgctg 300

gcacctggt 308

<210> 156
 <211> 295
 <212> DNA
 <213> Homo sapien

<400> 156
 acottgctcg gtgcttggaa catattagga actcaaaata tgagatgata acagtgccta 60
 ttattgatta ctgagagaaac ttttagacat ttagttagaag attttctaca caggaaactga 120
 gaataggaga ttatgttttg cctcatatt ctctctatc ctccittgcct cattctatgt 180
 ctaatatatt ctcaatcaaa tsaggtttagc ataatcagga aatogaccaa ataccaatat 240
 aaaaccagat gctatcctt aagattttca aatagaaaac aaattaacag actat 295

<210> 157
 <211> 126
 <212> DNA
 <213> Homo sapien

<400> 157
 acaagtttaa atagtgtgt cactgtgcat gtgtgaaat gtgaaatcca ccacatttct 60
 gaagagcaaa acaaatcttg tcatgttaac tctatcttgg gtctgtggga tatctgtccc 120
 cttagt 126

<210> 158
 <211> 442
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (442)
 <223> n = A, T, C or G

<400> 158
 acccaactggt cttggaaaca cccatcctta atacgatgat tttctgtcg tgtgaaaatg 60
 aaccagcag gctgccccta gtcagtcctt ccttcagag aaaaagagat ttgagaaagt 120
 gcctgggtaa ttcaaccatta atttccctcc ccaaaactctc tgagtcttcc cttaatatatt 180
 ctggttggttc tgaccaaagc aggtcatggt ttgttgagca ttgtggatcc cagtgaagta 240
 natgtttgta gccttgcata cttagccctt cccacgcaca aacggagtg cagagtgggtg 300
 ccaaccctgt ttccccagtc cacttagaca gattcacagt gaggaaattct ggaagctgga 360
 nacagaacggg ctctttgcag agccgggact ctgagangga catgaggggc tctgaccttg 420
 tgttcattct ctgatgtcct gt 442

<210> 159
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (498)
 <223> n = A, T, C or G

<400> 159
 acttccaggt aacgttggtt ttccggttga gcctgaactg atgggtgacg ttgtaggttc 60
 tccacaaga actgaggttg cagagcgggt agggaaagt gctgttccag ttgcacctgg 120
 gctgctgtgg actgttggtt attcctcact acggcccaag gttgtggaa cggcanaaag 180

```

gtgtgttgtt gganttgagg tggggcgset gtggtaggtt gtggsetctt caacaggggc 240
tgctgtggtg cggggangtg aangtggtgt gtcacttgag ctggggcagg tctggaaagt 300
antatattct tectgaaggc cagcgcttgt ggagctggca ngggtoantg ttgtgtgtaa 360
cgaccagtg ctgtgtggtg tgggtgtana tctccacaa agcctgaagt tatgtgtcn 420
tcaggtaana atgtgtttc agtgccttg ggngctgtg gaaggtgtg nattgtcacc 480
aagggaataa gctgtggt 498

```

```

<210> 160
<211> 380
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

```

```

<400> 160
acctgcatcc agttccctg ccasactcac aaggagacat caacctctag acagggaac 60
agttccagga tcttccagg agacagagur accgcagca aaacaaatat tccatgect 120
ggagcatggc atagaggaag ctgansaatg tgggtgtga ggaagccatt tgagtctggc 180
cactagacat ctcatcagcc acttgtgtga agagatgcc catgacccca gatgcctctc 240
ccacccctac ctccatctca cacacttgag ctttccactc tgtataattc taacatcctg 300
gagaaaaatg gcagtttgac cgaacctgtt caccacggtg gaggtgatt tctaacgaaa 360
ctgttagaat gaagcctgga 380

```

```

<210> 161
<211> 114
<212> DNA
<213> Homo sapien

```

```

<400> 161
actccacatc cctctgagc aggcggttgt cgttcaaggt gtatttggcc ttgctgtca 60
cactgtccac tggccctta tccacttggg gcttaatccc tggaaagagc atgt 114

```

```

<210> 162
<211> 177
<212> DNA
<213> Homo sapien

```

```

<400> 162
actttctgaa tggaaatcaaa tgatccttag tgtagtttta atatcctcat atatatcaaa 60
gttttaactac tctgataatt ttgtaaacca ggtaaccega acatccagtc atacagcttt 120
tgggtatata taacttggca ataacccagt ctggtgatac ataaaactac tcaactgt 177

```

```

<210> 163
<211> 137
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

```

```

<400> 163
catttataca gacaggggtg sagacattca cgcacaaaac gcgaaattct atcccgtagc 60
canagaaggc agctaaggct actcctacat cctggcggtg gtggccttog cctgcacctt 120

```

catcagcggc atgatgt

137

<210> 164

<211> 469

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(469)

<223> n = A,T,C or G

<458> 164

cttatcacaa	tgaatgttct	cctgggcagc	gttgtgatct	ttgccacott	ogtgacttta	60
tgcattgcat	catgctatct	catacctaat	gaggaggttc	caggagattc	aaccaggaaa	120
tgcattgcat	tcaaggaaa	caaacaccca	ataaactcgg	agtgccagac	tgacaactgt	180
gagacatgca	cttgctacga	aacagaaatt	tcatgttgca	cccttgtttc	tacacctgtg	240
ggttatgaca	aagacaactg	ccaaagaatc	ttcaagaagg	aggactgcaa	gtatatcgtg	300
gtggagaaga	aggacccaaa	aaagacctgt	tctgtcagtg	aatggataat	ctaagtgtct	360
tctagttagc	acagggtctc	caggccaggc	ctcattctcc	tctggcctct	aatagtcaat	420
gatttgttag	ccatgcctat	cagtaaaaag	atntttgagc	aaacacattt		469

<210> 165

<211> 195

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(195)

<223> n = A,T,C or G

<406> 165

acagtttttt	atanatatcg	acattgcagg	cacttggtgt	cagtttcata	aagctgggtg	60
atccgctgbc	atccactatt	ccctggctag	agtaaaaatt	attcttatag	cccatgtccc	120
tgcaggccgc	ccgcgccgtg	ttctcgttcc	agtcgtcttg	gcacacaggg	tgccaggact	180
tctcttgaga	tgagt					195

<210> 166

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<408> 166

acatcttagt	agtgtggcac	atcagggggc	catcagggtc	acagtcactc	atagcctcgc	60
cgaggtrcga	gtccacacca	ccggtgtagg	tgtgctcaat	cttgggcctt	ggcccacact	120
ttggagaagg	gatatgctgc	acacacatgt	cccaaaagcc	tgtgaactcg	ccaaagaatt	180
tttgacagcc	agcctgagca	agggggcggat	gttcagcttc	agctcctcct	tcttcagggt	240
gatgccaaac	tctgtatagg	tccgtgggaa	gctgggtgtc	acntcaccta	caacctgggc	300
gangatctta	taagagggtc	ccnagataaa	ctccacgaaa	cttctctcgg	agctgctagt	360
nggggccttt	ttggtgaact	ttc				383

<210> 167

<211> 247
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 167
 acagagccag accttggcca taaatgaanc agagattaaq actaaacccc aagtcganat 60
 tggagcagaa actggagcaa gaagtgggccc tggggctgaa gtagagacca aggcactgc 120
 tatanccata cacagagcca actctcaggc caaggcnatg gttggggcag anccagagac 180
 tcaatctgan tccaaagtgg tggctggaac actggtcatg acanaggcag tgactctgac 240
 tgaagtc 247

<210> 168
 <211> 273
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 168
 acttctaagt ttctctagaag tggagaggatt gtantcatcc tgaaaatggg ttactttcaa 60
 aatccctcan ccttggttctt cacaactgtc tatctgana gtgtcatgtt tccacaasgg 120
 gctgacaact gagcctgnat ttctactcat ccttgagaag ccttttccag taggggtgggc 180
 aattcccaac ttcccttgcca caagcttccc aggttttctc ccttggaana ctccagcttg 240
 agtcccagat acactcatgg gctgcccctgg gca 273

<210> 169
 <211> 431
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 169
 acagccttgg cttccccaaa ctccacagtc tcagtgcaga aagatcatct tccagcagtc 60
 agctcagacc aggggtcaasg gatgtgacat caacagtctt tggtttcaga acaggttcta 120
 ctactgtcaa atgacccccc atacttcttc aaaggtgtg gtaagtcttg cacaggtgag 180
 ggcagcagaa agggggtant tactgatgga caccctcttc tctgtatact ccactctgac 240
 cttgcatgg gcaaaagccc ctaccacaaa sacastagga tcaetgctgg gcaccagctc 300
 atgcacatca ctgacaaocg ggatggaaaa agaantgcca actttcatcc atccaaactgg 360
 aaagtgatct gatactggat tottaattac ettcaaaagc ttctgggggc catcagctgc 420
 tgaacactg a 431

<210> 170
 <211> 266
 <212> DNA
 <213> Homo sapien

59

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 170
 acctgtgggc tgggtgttta tgctgtgccc ggtgtgtgaa agggagttca gaggtggggc 60
 tcaaggagct ctgcaggcat ttgtccaaac ctctccanag canaggggag aacctacact 120
 ccccgctaga aagacaccag attggagtc tgggaggggg agttgggggt ggcatttgat 180
 gtatacttgt caactgaatg aagagccag agaggaanga gacgaanaig anattggcct 240
 tcaagctag ggtgtggca ggtgga 266

<210> 171
 <211> 1248
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(1248)
 <223> n = A,T,C or G

<400> 171
 ggcagccaaa tcataaacgg caggagactgc agcccgcaat cgcagccctg gcaggcggca 60
 ctggtcatgg aaaacgaatt gttctgtctg ggctctctgg tgcattccga gtgggtgctg 120
 tcagccgcac actgtttcca gaagtgaatg cagagctcct acaccatcgg gctgggctctg 180
 cactgtcttg aggcggacca agagccaggg agccagatgg tggaggccag cctctccgta 240
 cggcaccacag agtacaacag acccttgctc gctaacgacc tcatgctcat caagttggac 300
 gaatccgtgt cagagtctga caccatccgg agcatcagca ttgcttcgca gtgcctacc 360
 ggggggaact ctgctcctgt ttctggctgg ggtgtgtgag cgaacggcag aatgctacc 420
 gtgtgtcagt ggtgaacgt gtggtgggtg tctgaggagg tctgcagtaa gctctatgac 480
 ccgtgtgacc accccagcat gttctgcgac ggcgaggggc aagaccagaa ggaactcctg 540
 aacggtgact ctggggggcc cctgactctg aacgggtact tgcagggact tgtgtcttct 600
 ggaaaaagccc cgtgtggcca agttggcgtg ccaggtgtct acaccaacct ctgcaattc 660
 actgagtggg tagagaaac cgtccaggcc agttaactct ggggactggg aacctatgaa 720
 attgaccccc aaatacatcc tgcggaagga attcaggaat atctgttccc agccctctct 780
 cctcagggcc caggagtcca ggcgccagc cctctctccc tcaaaaccaag ggtacagatc 840
 cccagccctt cctcctcag acccaggagt ccagaccccc cagccctctc tccctcagac 900
 ccaggagtcc agccctcct cctcagacc caggagtcca gacccccag cctctctctc 960
 ctccagacca ggggtccagg cccccacccc ctctctctct agactcagag gtccaaagccc 1020
 ccaacccttc attccccaga cccagaggtc caggtccag cccctctctc ctccagacca 1080
 ggggtccaat gccacctaga ctntccctgt acccagtgcc ccttgtggc acgttgacct 1140
 aaccttaccs gttggttttt catttttngt ccttttccc tagatccaga aataaagttt 1200
 aagagaagng caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1248

<210> 172
 <211> 159
 <212> PRT
 <213> Homo sapien

<220>
 <221> VARIANT
 <222> (1)...(159)
 <223> Xaa = Any Amino Acid

<400> 172
 Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
 1 5 10 15

60

Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
 20 25 30
 Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
 35 40 45
 Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
 50 55 60
 Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu
 65 70 75 80
 Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe
 85 90 95
 Cys Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser
 100 105 110
 Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe
 115 120 125
 Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn
 130 135 140
 Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
 145 150 155

<210> 173
 <211> 1265
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(1265)
 <223> n = A, T, C or G

<400> 173

ggcagccccc	actccagccc	ctggcaggcg	gcactgggtca	tggaaaaaga	attgtttctgc	60
tggggggtcc	tgggtgcatcc	gcagtggggtg	ctgtcagcccg	cacactgttt	ccagaaactcc	120
tacaccatcg	ggctgggcoct	gcacagtctt	gaggccgacc	aagagccagg	gagccagatg	180
gtggaggcca	gcctctccgt	acggcaccac	gagtaaaaa	gacctttgct	cgctaacgac	240
ctcatgctca	tcaagttgga	cgaaatccgtg	tccgagtctg	acaccatccg	gagcatcagc	300
attgcttcgc	agtgccttac	cgccggggaac	tcttgcctcg	tttctggctg	gggtctgctg	360
gcgaacgggtg	agctcacggg	tgtgtgtctg	ccctcttcaa	ggaggtctct	tgccagtgctg	420
cggggggctga	cccagagctc	tgcgtcccag	gcagaatgcc	tacogtgcctg	cagtgcgtga	480
acgtgtcgggt	ggtgtctgag	gagggtctgca	gtaagctcta	tgaccogctg	taccacccca	540
gcattgtctg	cgcggggcgga	gggcaagacc	agaaggaact	ctgcaacgggt	gactctgggg	600
ggcccttgat	ctgcacgggg	tacttgccagg	gccttgtgtc	tttcggaaaa	gcccctgtgtg	660
gccaaagtgg	cgtgccagggt	gtctacacca	acctctgcaa	attcactgag	tggatagaga	720
aaacogtcca	ggccagttta	ctctggggac	tgggaaccca	tgaattgac	ccccaaatac	780
atcctgcgga	aggaattcag	gaatatctgt	tcccagcccc	tcttccctca	ggcccaggag	840
tccaggcccc	cagccctctc	tccctcaaac	caaggggtaca	gatccccagc	ccctcctccc	900
tcagacccag	gagtcacagc	ccccagcccc	ctcctccctc	agacccagga	gtccagcccc	960
tctcctctca	gacccaggag	tcagaccccc	ccagccctctc	ctcctcaga	cccagggggtt	1020
gagggccccc	acccctctct	cttcagagtc	agaggtccaa	gcccccaacc	ctcgttccc	1080
cagacccaga	ggtannaggtc	ccagccctctc	ctcctcaga	cccagnggtc	caatgcacac	1140
tagattttcc	ctgnacacag	tgcctccctg	tggnaagttg	acccaacctt	accagttggt	1200
ttttcatttt	tngtcccttt	cccttagatc	cagaataaaa	gtttaagaga	ngngcaaaaa	1260
aaaaa						1265

<210> 174
 <211> 1459
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(1459)
 <223> n = A,T,C or G

<400> 174
 ggtagagcgc acactgtttc cagaagttag tgcagagctc ctacaccatc gggctggggc 60
 tgcacagctc tgaggcgcac caagagccag ggagccagat ggtggaggcc agcctctccg 120
 taaggcacc acagtagaac agacccttgc tcgctaaccg cctcatgtc atcaagttgg 180
 acgaatccgt gtcagagctc gacaccatcc ggagcatcag cattgcttcc cagtgcctta 240
 ccggggggaa ctcttgcttc gtttctggct ggggtctgct ggcgaacggg gagctcacgg 300
 gtgtgtgtct gcccctctca aggaggtcct ctgcccagtc gggggggctg acccagagct 360
 ctgcgtccca ggcagaatgc ctaccgtgct gcagtgcgtg aacgtgtcgg tgggtgtctga 420
 ngaggtatgc antaagctct atgacccgct gtaccacccc ancatgttct gcgcggggcg 480
 agggcaagac cagaaggact cctgcaacgt gagagagggg aaagggggag gcaggcgact 540
 caggggaagg tggagaagg ggagacagag acacacaggg ccgcctggcg agatgcagag 600
 atggagagac acacagggag acagtgcaca ctagagagag aaactgagag aaacagagaa 660
 ataaacacag gaataaagag aagcaaaagg agagagaaac agaaacagac atggggaggc 720
 agaaacacac acacatagaa atgcagttga ccttccaaac gcattggggc tgagggcggt 780
 gacctccac caatagaaa tctctttata acttttgact ccccaaaacc ctgactagaa 840
 atagcctact gttgacgggg agccttacca ataaacataa tagtcgattt atgcatacgt 900
 tttatgcatt catgatatac ctttgttga atttttgat atttctaagg tacacagttc 960
 gtctgtgaat ttttttaaat tgttgcaact ctactaaat tttctgatg tgtttattga 1020
 aaaaatccca gtataagttg acttgtgcat tcacaccagg gttgttcaag ggtcaactgt 1080
 gtaccacagag ggaacacagt acacagattc atagaggtga aacacgaaga gaaacaggaa 1140
 aaatcaagac tcatacaaga ggtggggcag ggtggctcat gctgttaac ccagcacttt 1200
 gggagggcag gcaggcagat cacttgaggt aaggagttca agaccagcct ggcacaaatg 1260
 atgaatatct gtctgtacta aaatacaaaa agttagctgg atatgggtgg aggcgctgtg 1320
 aatccacagct acttgggagg ctgagggcag agaattgctt gaatatggga gccagaggtt 1380
 gaagtgaatt gagatcacac cactatactc cagctggggc aacagagtaa gactctgtct 1440
 caaaaaaa aaataaaaa 1459

<210> 175
 <211> 1167
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(1167)
 <223> n = A,T,C or G

<400> 175
 ggcagaccct ggcagggggc actggtcatg gaaaacgaat tgttctgtc gggcgtcctg 60
 gtgcctccgc agtgggtgct gtcagccgca cactgtttcc agaactccta caccatcggg 120
 ctgggctcgc acagttctga ggcagaccac gagccaggga gccagatggt gggggccagc 180
 ctctccgtac ggcacccaga gtacaacaga ctcttgcctc ctacagacct catgtctatc 240
 aagtggagc aatccgtgtc caggtctgac accatccgga gcatacagcat tgccttcagc 300
 tgccctaccc cggggaaact ttgcctcgtc tctggctggg gtctgctggc gaacggcaga 360
 atgcctaccc tctgcactg cgtgaacgtg tgggtggtgt ctgaggangt ctgcagtaag 420
 ctctatgacc cgtgtacca cccagcagc ttctggcccg gcggaggggc agaccagaag 480
 gactcctgca accgtgactc tggggggccc ctgatctgca accggtactt gcagggcctt 540
 gtgtctttcc gaaaagccac gtgtggccaa cttggcgtgc caggtgtcta ccccaacctc 600
 tgcaaatcca ctgagtggt agagaaaacc gtccagacca gtttaactct gggactggga 660
 acccatgaaa ttgaccccca aatacatcct gggaangaa ttcaggasta totgttccca 720
 gccctcctcc cctcaggccc aggagtcag gcccacagcc cctcctccct caaaccaggg 780
 gtacagatcc ccagccctc ctccctcaga cccaggagt cagacccccc agccctcct 840
 cntcagacc caggagtcca gcccctctc cntcagacc aggagtcag acccccccag 900

62

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ccntcctccg tcagaccacg gggtcagggc ccccaacccc tctcctctca gaggcagagg 960
tccaagcccc caccctctcg ttcccccagc ccagagggtac aggtccccagc cctctctccc 1020
tcagaccacg cggccaatg ccacctagan tntccctgta cacagtgccc ctttgtggca 1080
ngttgaccca acctaccag ttggttttcc attttttgtc cctttccccc agatccagaa 1140
ataaagtnta agagaagcgc aaaaaaa 1167

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<210> 176
 <211> 205
 <212> FBT
 <213> Homo sapien

<220>
 <221> VARIANT
 <222> (1)...(205)
 <223> Kaa = Any Amino Acid

<400> 176

Met	Glu	Asn	Glu	Leu	Phe	Cys	Ser	Gly	Val	Leu	Val	His	Pro	Gln	Trp
1				5					10					15	
Val	Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly	Leu
			20					25					30		
Gly	Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu	Pro	Gly	Ser	Gln	Met	Val
		35					40					45			
Glu	Ala	Ser	Leu	Ser	Val	Arg	His	Pro	Glu	Tyr	Asn	Arg	Leu	Leu	Leu
	50					55					60				
Ala	Asn	Asp	Leu	Met	Leu	Ile	Lys	Leu	Asp	Glu	Ser	Val	Ser	Glu	Ser
65				70					75					80	
Asp	Thr	Ile	Arg	Ser	Ile	Ser	Ile	Ala	Ser	Gln	Cys	Pro	Thr	Ala	Gly
			85					90						95	
Asn	Ser	Cys	Leu	Val	Ser	Gly	Trp	Gly	Leu	Leu	Ala	Asn	Gly	Arg	Met
			100					105						110	
Pro	Thr	Val	Leu	His	Cys	Val	Asn	Val	Ser	Val	Val	Ser	Glu	Kaa	Val
		115					120						125		
Cys	Ser	Lys	Leu	Tyr	Asp	Pro	Leu	Tyr	His	Pro	Ser	Met	Phe	Cys	Ala
		130					135					140			
Gly	Gly	Gly	Gln	Asp	Gln	Lys	Asp	Ser	Cys	Asn	Gly	Asp	Ser	Gly	Gly
145				150					155					160	
Pro	Leu	Ile	Cys	Asn	Gly	Tyr	Leu	Gln	Gly	Leu	Val	Ser	Phe	Gly	Lys
			165					170						175	
Ala	Pro	Cys	Gly	Gln	Leu	Gly	Val	Pro	Gly	Val	Tyr	Thr	Asn	Leu	Cys
			180					185						190	
Lys	Phe	Thr	Glu	Trp	Ile	Glu	Lys	Thr	Val	Gln	Kaa	Ser			
		195					200					205			

<210> 177
 <211> 1119
 <212> DNA
 <213> Homo sapien

<400> 177

gggcactcgc	agccctggca	ggcggcactg	gtcatggaaa	acgaattgtt	ctgetcgggc	60
gtcctgggtg	atccgcagtg	ggtgctgtcg	ggcgcacact	gtttccagaa	ctcctacacc	120
atcgggcttg	gctgcacag	tcttgaggcc	gaccaagagc	caggagcca	gatgggtggag	180
gdcagcctct	cgtacggca	crcagagtac	aacagaccc	tgtctgttaa	cgacctcatg	240
ctcatcaagt	tggacgaatc	cgtgtccag	tctgcaccca	tcgggagcat	cagcattgct	300
tgcagtgcc	ctaccgggg	gaactcttgc	ctcgtttctg	gctggggctc	gctggcgaa	360
gatgctgtga	ttgccatcca	gtcccagact	gtgggaggct	gggagtgtga	gaagctttcc	420
caaccctggc	agggttgtac	catttcggca	acttcagtg	caaggacgtc	ctgctgcac	480

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ctcactgggt gctcactact gctcactgca tcacccggaa cactgtgato aactagccag 540
caccatagtt ctcogaagtc agactatcat gattactgtg ttgactgtgc tgtctattgt 600
actaaccatg ccgatgttta ggtgaastta gctgcacttg gectcaacca tcttggtatc 660
cagttatcct cactgaattg agatttcctg cttcagtgtc agccattccc acataatttc 720
tgacctacag aggtgagggg tcataatgct cttcaaggat gctggtactc ccttcacaaa 780
ttcatttctc ctgttgtagt gaaaggtgag cctctcggag cctcccaggg tgggtgtgca 840
ggtcacaatg atgaatgtat gatcgtgttc ccattaccca aagcctttta atccctcatg 900
ctcagtacac cagggcaggt ctagcatttc ttcatttagt gtatgtgtgc cattcatgca 960
accacctcag gactcctgga ttctctgctt agttgagctc ctgcattgtg cctccttggg 1020
gaggtgaggg agagggacca tggttcaatg ggcctctgtc agttgttaaa cattaggtgc 1080
ttaataaaca gaagctgtga tgttaaaaaa aaaaaaaa 1119

```

<210> 178

<211> 164

<212> PRT

<213> Homo sapien

<220>

<221> VARIANT

<222> (1)...(164)

<223> Xaa = Any Amino Acid

<400> 178

```

Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
 1          5          10          15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
 20          25          30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
 35          40          45
Glu Ala Ser Leu Ser Val Arg His Pro Gln Tyr Asn Arg Pro Leu Leu
 50          55          60
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Gln Ser
 65          70          75          80
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
 85          90          95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Val
100          105          110
Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu
115          120          125
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg
130          135          140
Thr Ser Cys Cys Ile Leu Thr Gly Cys Ser Leu Leu Leu Thr Ala Ser
145          150          155          160
Pro Gly Thr Leu

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<210> 179

<211> 250

<212> DNA

<213> Homo sapien

<400> 179

```

ctggagtgc ttggtgtttc aagccctgc aggaagcaga atgcaccttc tgaggcaact 60
ccagctgcac ccggccgggg gatgcagggc tgggagcacc cttgcccggc tctgattgct 120
gccaggcaact gttcatctca gctttctctt ccttttgcct ccggcaagcg cttctgctga 180
aagttcattat ctggagcctg atgtcttaac gaataaaggt cccatgctcc acccgaaaaa 240
aaaaaaaaaa 250

```

64

<210> 180
 <211> 292
 <212> DNA
 <213> Homo sapien

<400> 180
 actagtccag tctggtggaa ttccattgtg ttggggccaa cacaatggct acctttaaca 60
 tcacccagac ccgcgccctg ccgctgcccc acgctgctgc taacgacagt atgatgctta 120
 ctctgtact cggaaactat ttttatgtaa ttaatgtatg cttctctgtt tataaatgcc 180
 tgatttanaa aaaaaaaaaa aa 202

<210> 181
 <211> 558
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(558)
 <223> n = A, T, C or G

<400> 181
 tccytttikt naggtttkkq agacacccck agacctwaan ctgtgtcaca gacttcyngg 60
 aatgttttagg cagtgttagt aatttcytcg taatgattct gttattactt tectnattct 120
 ttattccctct ttcttctgaa gattaatgaa gttgaaaatt gaggtggata aatacaaaaa 180
 ggtagtgtga tagtataagt atctaagtgc agatgaaagt gtgttatata tatccattca 240
 aaattatgca agttagtaat tactcagggg taactaaatt accttaatat gctgttgaaac 300
 ctactctgtt ccttggctag aaaaaattat aaacaggact ttgttagttt gggagagcaa 360
 attgataata ttctatgttc taaaagtttg gctatacata aattattaag aaatatggaw 420
 ttttatcccc aggaatatgg kgttcatttt atgaatatta cccrggatag awgtwtgagt 480
 aaaaacagtt ttgtwaata ygtwaatatg tcmkaasata acaakgcttt gacttatitc 540
 caaaaaaaa aaaaaaaa 558

<210> 182
 <211> 479
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A, T, C or G

<400> 182
 acagggtttk grggtgcta agsccccrga rwtggttga tccaaacctg gcttwttttc 60
 agaggggaaa atggggccta gaagttacag mscatytagy tgggtgcmty gcacccctgg 120
 cctcacacag atcccgagt agctgggact acaggacac agtcactgaa gcaggccctg 180
 ttwgaattc acgttgccac ctccaactta aacattcttc atatgtgatg tcttagtca 240
 ctaagggttaa actttcccac ccagaasagg caacttagat aaatcttag agtactttca 300
 tacttttcta agtctcttc cagcctcact kkgagtcctm cytgggggtt gataggaant 360
 ntctcttggc ttctctcaata aactctctat ycatctcatg ttttaatttg taagcatara 420
 awtqatgaa aaattaaaat gttctggtty maatttataa aaaaaaaaaa aaaaaaaaaa 479

<210> 183
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 183

aggggggagc	agaagctaaa	gocaaagccc	agaagagtg	gcagtyccag	caatgggtgce	60
agtaccagta	ccaataacag	tgccagtgc	agtgcacga	ccagtgggtgg	cttcagtgt	120
gggtccagcc	tgacccccc	tctcacattt	gggtctctcg	ctggcccttg	tgagagctgg	180
gocagaccca	gtggcagctc	tgggtgcctgt	ggtttctcct	acaagtggga	ttttagatat	240
tgtaastcct	gocagtcttt	ctcttcagga	cagggtgcat	cctcagaaac	ctactcaaca	300
cagcactcta	ggcagccact	atcaatcaat	tgaagttgac	actctgcatt	aratctattt	360
gccatttcaa	aaaaaaaaaa	aaaa				384

<210> 184

<211> 496

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (496)

<223> n = A,T,C or G

<400> 184

accgaatttg	gacgctggc	ttataagcga	tcatgttynt	corgtatcac	ctcaacgagc	60
agggagatcg	agtctatacg	ctgaagaagt	ttgaccogat	gggacacacg	acctgctcag	120
cccatctctg	tgggttctcc	ccagatgaca	atactctctg	acacccgaatc	acctatcaaga	180
aacgcttcac	gtgtctcatg	accagcaac	cgcgcctgt	cctctgaggg	tcctttaaac	240
tgatgtcttt	tctgccacct	gttaccctc	ggagactcgg	taacccaaact	cttcggactg	300
tgagccctga	tgcccttttg	ccagccatcc	tctttggcat	ccagtctctc	gtggcgattg	360
attatgcttg	tgtgaggcaa	tcatgggtgg	atcacccata	aagggaacac	atttgacttt	420
ttttctctat	attttaaatt	actacmagaw	tattwmagaw	aaatgawtt	gaaaaactct	480
taaaaaaaaa	aaaaaa					496

<210> 185

<211> 384

<212> DNA

<213> Homo sapien

<400> 185

gctggttagc	tatggcgkcg	cccacggagg	ggctcttgag	gccacggcac	agtgaacttc	60
caagtatcgt	gcgcagcgtc	ttctaccgtc	cctacctgca	gatcttcggg	cagattcccc	120
agggggacat	ggacgtggcc	ctcatggagg	acagcaactg	ytctctggag	cccggtctct	180
gggcacaccc	tcttggggcc	caggcgggca	cctgcgtctc	ccagtatgcc	aactggcttg	240
tgggtctgct	cctcgtcctc	ttctgctcgt	tgcccaacat	cctgctggtc	aacttgcctc	300
ttgccatggt	cagttaccca	ttcggcaaa	tacaggggca	cagcgtctct	tactgggaag	360
ggcagcggtt	accgctcat	ccgg				384

<210> 186

<211> 577

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (577)

<223> n = A,T,C or G

<400> 186

gagtttagctc	ctccacaccc	ttgatgaggt	cgtctgcagt	ggcctctcgc	ttcataccgc	60
tnccatcgctc	atactgtagg	tttgccacca	cytcctggca	tcttggggcg	gcntaatatt	120
ccaggaaact	ctcaatcaag	tcaccgtcga	tgaacctgt	gggctgggtc	tgtcttcgcg	180

66

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tcgggtgtgaa aggatctccc agaaggagtg ctogatcttc cccacaattt tgatgacttt 240
attgagtcga ttctgcatgt ccagcaggag gttgtaccag ctctctgaca gtgaggtcac 300
cagccctate atgcccgttg aagtgccgaa gaccaccag ccttgtgttg gggkkgaggt 360
ctcaccacaga ttctgcatta ccagagagcc gtggcaaaaag acattgacaa actgcccacg 420
gtggaaaaaag amcamctcct ggargtgetn gccgtctctc gtcngtttgt gccagcgtw 480
tcctttttgac acacaaacaa gttaaaggca ttttcagccc ccagaaantt gtcacatccc 540
aagatntcgc acgcactna tccagttggg attaaat 577

```

```

<210> 187
<211> 534
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G

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```

<400> 187
aacatcttcc tgtataatgc tgtgtaatat cgatccgatn ttgtctgatg agaattcattw 60
actkgaaaaa gaaacattaa agcctggata ctggtattaa aattcacact atgcaacact 120
ttaaacagtg tgtcaatctg ctccnyyaa tttgtcatca ccagtctggg aakaaaggtg 180
tgccttattc acacctgtta aaagggogct aagcattttt gattcaacat cttttttttt 240
gacacaagtc cgaaaaaagc aaaaagtaaac agttatyaat ttgttagcca attcaacttc 300
ttcatgggac agagccatyt gatttaaaaa gcaaatggca taatatggag cttggggagc 360
tgatatattg ggggaagagt agcctttcta cttcacccga sacaaactccc tttcatattg 420
ggatgttnac naaagtwtat tctctwacag atgggatgct tttgtggcaa ttctgttctg 480
aggatctccc agtttattta ccacttgcae aagaaggcgt tttcttcttc aggc 534

```

```

<210> 188
<211> 761
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

```

```

<400> 188
agaaaaccagt atctctnaaa acaaactctc ataccttggt gacctaatth tgtgtgcgtg 60
tgtgtgtgag cgcataattat atagacagge acatcttttt tactttttgt aagacttatg 120
cctcttttgt atctatatct gtgaaagtth taatgatctg ccataatgtc ttggggagct 180
ttgtcttctg tgtaaatggt actagagaaa acacctatni tatgagtcac tctagttingt 240
tttattcgac atgaaggaaa tttccagatn acaaactctc ctaactctcc ctkgackarg 300
ggggacaaaag aaaaagcaaaa ctgaaacataa aaacaatwa cctgggtgaga arttgcataa 360
acagaaatwr ggtagtatat tgaarnacag catcattaaa rmgttwtktt wttctccctt 420
gcaaaaaaca tgtacngact tcccgttgag taatgccaaag ttgttttttt tatnataaaa 480
cttgcctctc attacatggt tnaaagtgtt gtggtgggcc aaaaatttga aatgatggaa 540
ctgactgata aagctgtaca aataagcagt gtgcctaaca agcaaacacg taatgttgac 600
atgcttaatt cccaaatgct aatttcattt taatgttttg ctaaaataca ctttgaacta 660
tttttctgtn tttccagagc tgagatntta gatttttatgt agtatnaagt gaaaaantac 720
gaaaataata acattgaaga aaaaananaa aaaaaaaa a 761

```

```

<210> 189
<211> 482
<212> DNA
<213> Homo sapien

```


<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 189
 tttttttttt ttgtccgact ctactatttt attgcaggan gtgggggtgt atgcaccgca 60
 caccgggggt atnagagca agagggaggg agggagggca cagcccttg ctgagcaaca 120
 aagccgctg ctgccttctc tgtctgtctc ctgggtcagg cactgggga gaccttccc 180
 aaggcagggg ccaccagtc aggggtggga atacaggggg tgggaggtgt gcataagaag 240
 tgataggcac aggcacccg gtacagacc ctcggctctt gacaggtga tttcgaccg 300
 gtcattgtgc cctgcccagg caccggctan ctctggaaaa gacagatgc tttccttttc 360
 aaatttggct ngtcatgaa agggcattt tccaatng gotnggtctt ggtacncttg 420
 gttagccca gctcncgtc caaaaantat tccccnctt ccnaattgt tgongnccc 480
 cc 482

<210> 190
 <211> 471
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

<400> 190
 tttttttttt ttttkaaaaca gtttttcaca acaasattta ttagaagcat agtggttttg 60
 aaaaactctcg catccagtg gaactacct acaccacatt acagctngga atgtactcca 120
 aatgtctagt caaatgatac aatggaacca ttcaattctta cactgcaag aaagaacacg 180
 cgtttttgac atacaatgca caaaaaaaa aggggggggg gaccacatgg attaaaattt 240
 taagtactca tccatacat taagacacag ttctagtcca gtcnasatc agaactgcct 300
 tgaaaaaattt catgtatgca atccaccaa agaatctnat tggtagcat gantctcta 360
 ctacatcac cttgatcatt gccaggaac aaagittnaa ancaacnctt ccaaaaansa 420
 tctgttaattt anttcaact cgtacngaa aaattttntt tatacactcc c 471

<210> 191
 <211> 402
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

<400> 191
 gagggattga aggtctgttc taatgtcggm ctgttcagcc accaatctta acaagtgtgt 60
 gtcttccact caatgtctgt aagttttta accagagcwg tatcttcata aatagacaa 120
 attcttcacc agtcaatct tctaggacct ttttggattc agttagtata agctcttcca 180
 ctctctttgt taagacttca tctggtaaag tcttaagttt tgtagaaagg aattyaattg 240
 ctcttctctt acaaatgtc tctcttgaa gtatttggct gaaacaacca cctaaagtcc 300
 ctctgtgcat cctttttaa tatacttaat agggcattgk tncactaggt taaattctgc 360
 aagagtcctc tgtctgaaa agttggtta gtatatctgc ca 402

<210> 192
 <211> 601

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 192

gagctcggat	ccataaatct	ttgtctgagg	gcagcacaca	tatncagtg	catggnaact	60
ggtctacccc	acatgggagc	agcatgccgt	agntatataa	ggtcattccc	tgagtcagac	120
atgcytyttt	gaytacccgt	tgccaagtgc	tggtgattct	yaacacacyt	ccatcccgt	180
cttttggtga	aaaactggca	cttkctctga	actagcarga	catcaactac	aaattcacc	240
acgagacact	tgaaagggtg	aacaaagcga	ytcttgcatt	gctttttgtc	cctccggcac	300
cagttgtcaa	tactaacccg	ctggtttgcc	tccatcacat	ttgtgatctg	tagctctgga	360
tacatctcct	gacsgtactg	aagaacttct	tcttttggtt	caaaagcacc	tcttggtgac	420
tggtggatca	ggttcccat	tcccagtcyg	aatgttcaca	tgccatattt	wacttccac	480
aaaacattgc	gatttgaggc	tcagcaacag	caaactctgt	tcgggcattg	gctgcaagag	540
cctcgatgta	gcgggcccgc	gccaaggcag	ggcccgtag	ccccaccagc	agcagaagca	600
g						601

<210> 193
<211> 608
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 193

atcacagccca	nstcccacca	cgaagatgag	cttgttgact	gagacccctg	tgccgtcact	60
ggtcccgcgt	tagcccccagc	gactctccac	ctgctggsag	cggttgatgc	tgactcyyt	120
ccaaagccag	gcagmaggcg	gcocggtaaa	tgaactccay	tcttggtttg	gggtkagcgg	180
tkaagtgcag	gaagaggctg	accactctgc	ggtccaccag	gatgcccagc	tgtgcgggac	240
ctgcagcgaa	actctctgat	ggtcatgagc	gggaagcgaa	tgaggcccag	ggccttgccc	300
agaaecttcc	gcctgtttct	tggcgtaacc	tgacagctgt	gcccgtgaca	ctgggcctcg	360
gaccagcgga	caaaaggcrt	tgaacagccg	caectccagg	atgccacagt	tgtcgcgcct	420
caggammgsc	accagcgtgt	ccaggtcaat	gtcggtaag	ccctccgcgg	gtrattggct	480
ctgcagtggt	tttgtcgatg	ttctccagcg	acaggttgcc	cagctgcggt	tcctcgaaga	540
gtcgcgcctg	cgtgagcagc	atgaaggcgt	tgtcggctcg	cagttctttt	tcagggaactc	600
cacgcaat						608

<210> 194
<211> 392
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 194

gaacggctgg	accttgcttc	gcattgtgct	tgtcggcagg	gaataccttg	gcaagcagyt	60
ccagtcgcag	cagccccaga	ccgtgcccgc	ccgaagctaa	gcctgcctct	ggcctccccc	120
tccgcctcaa	tgagaaacca	gtagtgggag	cactgtgttt	agagtttaaga	gtgaacactg	180

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tttgatttta cttgggaatt tectctgtta tatagctttt cccastgcta atttccaaac 240
aacacaaaca aaataacatg tttgcctgtt aagttgtata aaagtaggtg attctgtatc 300
taaaagaaat attactgtta catatactgc ttgcaatttc tgtattttatt gktncctctgg 360
aaataaatat agttatttaa ggttgtcant cc 392

```

<210> 195

<211> 502

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(502)

<223> n = A,T,C or G

<400> 195

```

ccsttkgagg ggtkaggkyc cagttycoga gtggaagaaa caggccagga gaagtgcgtg 60
ccgagctgag gcagatgttc ccacagtgc ccacagagcc atgggtata gtytctgacc 120
cctcncaagg aaagaccacs ttctggggac atgggctgga gggcaggacc tagaggcacc 180
aagggaagga cccattccgg ggtgttccc cgaggaggaa ggggaagggc tctgtgtgac 240
ccccagagg aagaggccct gactcctggy atcagacacc ccttcacgtg tatccccaca 300
caaatgcaag ctacccaagg tccccctca gtccccctcc atacacctg amcgggccact 360
gscscacacc caccacagac acgccaccog ccatggggar tgtgctcaag gartcgcnng 420
gcarcgtgga catctngtcc cagaaggggg cagaatctcc aatagangga ctgarcmatt 480
getnanaaaa aaaaaaanaa aa 502

```

<210> 196

<211> 665

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(665)

<223> n = A,T,C or G

<400> 196

```

ggttacttgg ttteattgac accacttagt ggatgtcatt tagaaccatt ttgtctgctc 60
cctctggaag ccttgccgag aggganitt gtaattgttg gagaataact gctgaatttt 120
wagctgtttk gacttgatts gcaccaatgc accacaaact tcaatatgaa aacyawttga 180
actwattkat tatcttgyta aaagtataac aatgaaaatt ttgttcatac tgtattkate 240
aagtatgatg aaagacaawa gatatatatt cttttattat gttaaattat gattgocatt 300
attantcgga aaaatgtgga gtgtatgttc ttttcacagt aatatatgac ttttgttaact 360
tcacttgggt attttatgtt aaatgarta caaaattcct aatttaagar eatggatgt 420
wataattatt tcattaatat ctttctkgt ttacgtwaat tttgaasaga wtgcattgatt 480
tcttgacaga aatcgatctt gatgctgtgg aagtatgttg acccacatcc ctatgagttt 540
ttcttagaat gtataaggt tgtagcccat cnacctcaa agaaaaaat gaccacatac 600
tttgcaatca ggctgaaatg tggcatgctn ttctaattcc aactttataa actagcaaan 660
aagt 665

```

<210> 197

<211> 492

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(492)

<223> n = A,T,C or G

<400> 197

```

ttttnttttt ttttttttgc aggaaggatt ccatttattg tggatgcatt ttcacaatat      60
atgtttattg gagcgatcca ttatcagtgga aaagtatcaa gtgtttataa natttttagg      120
aaggcagatt cacagaacat gctngtcngc ttgcagtttt ccctcgtana gatnacagag      180
aattatagtc naaccagtaa scnaggaatt tactttttcaa sagattaaat ccaactgaa      240
caaaattcta cctgaaaact tactccatcc aaatattgga ataanagtea gcagtgatac      300
attcttttct gaaattttga tttctagaa aaatatgtaa tagtgatcag gaagagctct      360
tgttcaaaag tacaacnaag caatgttccc ttaccatagg ccttaattca aactttgatc      420
catttcaetc ccatcacggg agtcaatgct ccctgggaca cttgtatttt gttcatnctg      480
anontggett aa                                     492

```

<210> 198

<211> 478

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1) ... (478)

<223> n = A,T,C or G

<400> 198

```

ttttttttgn atttcantct gtannaanta ttttcattat gtttattana aaaatatnaa      60
tgtntccacn acaaatccan ttacntnagt aagagggcan ctacattgta caacatacac      120
tgagtatatt ttgaaaagga caagttttaa gtanacncat attgcgganc atancacatt      180
tatacatggc tgcattgata tttagccacg canaaactga gtgagttacc agaaanaaat      240
natatatgtc aatcngattt aagatacaaa acagatccca tggatccatan catctgtag      300
gagttgtggc tttatgttta ctgaaagtea atgcagttcc tgtacaaaga gatggccgta      360
agcattctag taactctact ccattggtta gaactgtaca cttatgttta catatgtncs      420
gggtaagaat tgtgttaagt naanttatgg agaggtocan gagaaaaatt tgatncaa      478

```

<210> 199

<211> 482

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1) ... (482)

<223> n = A,T,C or G

<400> 199

```

agtgacttgt cctccaacaa aaccccttga tcaagtttgt ggcactgaca atcagacctc      60
tgtatgttcc tgtcatctat tgcctactaa atgcagactg gaggggacca aaaaagggga      120
tcaactccag ctggattatt ttggagcctg caaatctatt cctacttgta cggactttga      180
agtgattcag ttctctctcc ggtatgagga ctggtccaag aatatcccca tgcagcttta      240
tgaagccnac tctgaacacg ctggttatct nagatgagaa ncagagaaat aaagtcnaga      300
aaatttacct ggangaacag aggccttngg ctggggacca tcccattgaa ccttctctta      360
anggacttta agaanaaaact ccacatgtn tgtngtatec tgggtccngg cgttttantg      420
aacntngacn ncccccctnt ggaatanant ctgacngcn tccfgaactt gctcctctgc      480
ga                                     482

```

<210> 200

<211> 270

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 200
 eggccgcaag tgcacactcca gctggggccg tgcggacgaa gattctgcca gcagttgggc 60
 cgactgcgac gacggcgccg gcgacagtcg caggtgcagc gggggggcct ggggtcttgc 120
 aaggctgagc tgaacgcgca gaggtcgtgt cactgccac gcccttgacg ccgtggggga 180
 cagccggaac agagcccggt gaangcggga ggccctgggg agcccttcgg gaagggcggc 240
 ccgagagata cgcaggtgca ggtggccgcr 270

<210> 201
 <211> 419
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 201
 tttttttttt ttttggaaac tactgcgagc acagcaggtc agcaaccaagt ttatitttga 60
 gctagcaagg taacagggta gggcatgggt acatgttcag gtcaacttcc ttgtctgtgg 120
 ttgattgggt tctcttttat gggcgggggt ggggtagggg aaanccaagc anaataaca 180
 tggagtggtt gcaacctccc tctagaacct ggttacnaaa gcttggggca gtccacctgg 240
 tctgtgacgc tcatitttctt gacatcaatg ttattagaaq tcaggatata ttttagagag 300
 tccactgtat ctggagggag attaggggtt cttgccana tccaancaa atccactga 360
 aaaagttaga tgatncangt aongaatacc gaagggcatan ttctcatant cggtaggccc 419

<210> 202
 <211> 509
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = A,T,C or G

<400> 202
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tggcaactta tccattttta tttcaaatg tctacaaant tttaactnnc cattatacng 120
 gtnatttttc aaatctttaa ntttattcaa atnnaagcca aatcccttac ncaaatnnaa 180
 taenencasa aatcaaaaat atactntctt ttcagcaaac ttngttacat aaattaaaaa 240
 aatatatacg gctgggtggt tcaaggtaca attatcttaa cactgcaaac atnttttnaa 300
 ggaactaasa taasasasa cactnccgca aaggttaaag ggaacaasa attcntttta 360
 caacancnnc nattataaas atcatatctt aatcttagg ggaatatata cttcacacng 420
 ggaatttaac ttttaactna ctttgtttat ttttttanaa ccattgtatt gggcccaaca 480
 caatggnaat ncenccnnc tggactagt 509

<210> 203
 <211> 583
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(583)
 <223> n = A,T,C or G

<400> 203
 tttttttttt ttttttttga cccccctctt ataasaaaca agttaaccatt ttatttttact 60
 tacacatatt tatttttataa ttggtattag atattcassaa ggcagctttt aaatcassac 120
 taastggasa ctgccttaga tacataattc ttagggaatta gcttaaaatc tgccataaagt 180
 gaaatctctc tctagctctt ttgactgtaa atttttgact ctgttaaaac atccaaattc 240
 atttttcttg tctttaaaaa tatctaactc ttccattttt tccctattcc aagtcatttt 300
 gcttctctag cctcatttcc tagctcttat ctactattag taagtggctt ttttctaaa 360
 agggaaaaca ggaagagana atggcacaca aaacaaacat ttatattcca ttttctacc 420
 tacgttaata aaatagcatt ttgtgaagcc agctcaaaag aaggcttaga tctttttatg 480
 tccattttag tcaactaaag atatcnaag tgcagaatg caaaaggctt gtgaacattt 540
 attcaaaagc taatataaga tatttcacat actcatcttt ctg 583

<210> 204
 <211> 589
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 204
 ttttttttnt tttttttttt ttttttcttc tctttttttt ttganaatga ggatogagtt 60
 ttccactctc tagatagggc atgaaagaaa ctcatcttcc cagcttttaa ataaccaatca 120
 aatctcttat gctatatcat attttaagtt aaactaatga gtcactggtt tatcttctcc 180
 tgaaggaaat ctgttcattc ttctcattca tatagttata tcaagtacta ccttgcatat 240
 tgagagggtt ttcttctctc ttacacata tttttccatg tgaatttgta tcaaaccttt 300
 attttcatgc aaactagaaa ataattgntt cttttgcata agagaagaga acaatatnag 360
 cattacaaa ctgctcaaat tgtttgttaa gnttatccat tataattagt tnggcaggag 420
 ctaattacaa taacatttac agacnagcaa taataaaact gaagtaccag ttaaatctcc 480
 aaataatta aaggaacatt tttagcctgg gtataattag ctaattccat ttacaagcat 540
 ttattnagaa tgaattcaca tgtttatttt ccttagccca acacactgg 589

<210> 205
 <211> 545
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 205
 tttttttttt ttttttcaqt aataatcaga acaattattt tttttatatt taaaattcat 60
 agaaaagtgc cttacattta ataaaagttt gtttctcaaa gtgacagag gaattagata 120
 tngtctttaa ccccaatatt aatttgagga aaatacaca aaatacatta agtaaattat 180
 ttaagatcat agagcttgta agtgaaaaga taaaatttga cctcagaacc tctgagcatt 240
 aaaaatccac tattagcaaa taattacta tggactctt gctttaattt tgtgatgaat 300
 atgggggtgc actggttaac caacacattc tgaaggatc attacttagt gatagattct 360
 tatgtacttt gctanatnac gtggatatga gttgacaagt ttctctttct tcaatctttt 420
 aaggggunga ngaaatgagg aagaaaagan aaggattacg catactgttc tttctatngg 480

aaggattaga tatgtttcct ttgccaatat taaaaaata ataattgtta ctactagtga 540
aacc 545

<210> 206
<211> 487
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 206
tttttttttt ttttttagtc aagtttctna tttttattat aattaaagtc ttgggtcattt 60
catttattag ctctgcaact tacatattta aattaaagaa acgttnttbg acaactgtna 120
caatttataa atgtaagggt ccattattga gtanatatat tcttccaaga gtggatgtgt 180
cccttctccc accaactaat gaancagaa cattagttta attttattag tagatnatac 240
actgctgcaa acgttaatto tcttctcctt ccccatgtag atattgtgta tatgtgtgag 300
ttggttagaa tgcatacaca atctnacaat caacagcaag atgaagctag gentgggctt 360
tcggtagaaa tagactgtgt ctgtctgaat caaatgatct gacctatcct cggtagcag 420
aactcttoga accgcttctt caaaggengc tgcacattt gtggctctn ttgcattgt 480
ttcaaaa 487

<210> 207
<211> 332
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 207
tgaattggct aaaagcctgc atttttanaa ctagcaactc ttatttcttt cctttaaaaa 60
tacatagcat taaatcccaa atcctattta aagacctgac agcttgagaa ggtcactact 120
gcatttatag gaccttctgg tggttctgct gttacatttg aantctgaca atccttgana 180
atccttgcat gcagaggagg taaaaggat tggattttca cagaggana acacagcga 240
gaatgaagg ggcagaggtt actgagcttg tccactggag ggctcstggg tgggacatgg 300
aaaagaaggc agcctaggcc ctggggagcc ca 332

<210> 208
<211> 524
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 208
agggcgtggt ggggaggggc ttactgtttt gtctcagtaa caataaatat aaaaagactg 60
gttgtgttcc ggcaccatcc aaccacgaag ttgatttctc ttgtgtgag agtgactgat 120
tttaaggac atggagcttg tcacaatgtc acaatgtcac agtgtgaagg gcacactcac 180
tcccgctga ttcaattta gcaaccaaca atagctcatg agtccatact tgtaataact 240
tttggcagaa tacttnttga aacttgacga tgataactaa gatccaagat atttcccaaa 300

74

gtaaatagaa	gtgggtcata	atattaatta	cctgttcaca	tcaggttcca	tttacaagtc	360
atgagcccag	acactgacat	caactaagc	ccacttagac	tcctcaccac	cagtctgtcc	420
tgtcatcaga	caggaggtcg	tcaccttgac	caaatctcca	ccagtcacac	atctatccaa	480
aaaccattac	ctgatccact	tcgggtaatg	caccaccttg	gtga		524

<210> 209
 <211> 159
 <212> DNA
 <213> Homo sapien

<400> 209						
gggtgaggaa	atccagagtt	gccatggaga	aaattccagt	gtcagcattc	ttgtctcttg	60
tggccctctc	ctacactctg	gccagagata	ccacagtcca	acctggagcc	aaaaaggaca	120
caaaggactc	tcgacccaaa	ctgcccacga	ccctctcca			180

<210> 210
 <211> 256
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(256)
 <223> n = A,T,C or G

<400> 210						
actccctggc	agacaaagcc	agaggagaga	gctctgttag	ttctgtgttg	ttgaactgcc	60
actgaatttc	tttccacttg	gactattaca	tgccanttga	gggactaatg	gaaaaacgta	120
tggggagatt	ttanccaatt	tangtntgta	aatggggaga	ctggggcagg	cgggagagat	180
ttgcagggtg	naaatgggan	ggctggtttg	ttanatgaac	agggacatag	gaggtaggca	240
ccaggatgct	aatca					256

<210> 211
 <211> 264
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 211						
acattgtttt	tttgagataa	agcattgaga	gagctctcct	taaagtgaca	caatggaagg	60
actggaacac	atccccacat	ctttgttctg	agggataatt	ttctgataaa	gtcttgctgt	120
atattcaagc	acatatgtta	tatattatcc	agttccatgt	ttatagccta	gttaaggaga	180
ggggagatac	attcngaaag	aggactgaaa	gaaatactca	agtaggaaaa	cagaaaaaga	240
aaaaaaggag	caaatgagaa	gcct				264

<210> 212
 <211> 328
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G


```

<400> 212
accacaaat ccactgctga atatttggct tcattattcc caaattcttt gattgtcaaa    60
ggatttaatg ttgtctcagc ttgggcactt cagttaggac ctaaggatgc cagccggcag    120
gtttatatac gcagcaacaa tattcaagcg cgacaacagg ttattgaact tgcgccgcag    180
ttnaatttca ttcccatgtg cttgggatcc ttatcatcag ccagagagat tgaataattt    240
ccctaacnac tttttactct ctgganaggg ccagtgggtg tagctataag cttggccaca    300
tttttttttc cttttatctt ttgtcaga                                     328

```

<210> 213

<211> 250

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (250)

<223> n = A, T, C or G

```

<400> 213
acttatgagc agagcgacat atccnagtg agactgaata aaactgaatt ctctccagtt    60
taaagcattg ctactgaag ggtatagaagt gactgccagg agggaaagta agccaaggct    120
cattatgcaa aagganatat acatttcaat tctccaaact ttttctctat tccaagagtt    180
ttcattttt gcatgaacct gctgataanc catgttaana aacasatata tctctnacct    240
tctcatcggt                                     250

```

<210> 214

<211> 444

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (444)

<223> n = A, T, C or G

```

<400> 214
accacgaatc caatgctgaa tatttggctt cattattccc agattctttg attgtcaaa    60
gatttaatgt tgtctcaget tgggcacttc agttaggacc taaggatgcc agccggcagg    120
tttatatatg cagcaacaat attcaagcgc gacaacaggc tattgaactt gcccgccagt    180
tgaatttcat tcccattgac ttgggatcct tatcatcagc canagagatt gaaattttac    240
ccctacgact ctttactctc tggagagggc cagtgggtgt agctataagc ttggccacat    300
tttttttttc tttatttctt tgtcagagat gcgatttcac catatgctan aaaccaacag    360
agtgaacttt acaaaattcc tataganatt gtgaataaaa ccttacctat agttgocatt    420
actttgctct cctaataata cctc                                     444

```

<210> 215

<211> 366

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (366)

<223> n = A, T, C or G

```

<400> 215
acttatgagc agagcgacat atccnagtg anactgaata aaactgaatt ctctccagtt    60

```

```

tasagcattg ctcaactgaag gcatagaagt gactgccagg agggaaaagta agccaaggct 120
cattatgcca aagganatat acatttcaat tctccaaact tcttcctcat tccaagggtt 180
ttcaatattt gcatgaacct gctgataagc catggttgaga aacaaatafc tctctgacct 240
tctcatcggt aagcagaggg tctaggcaac atggaccata gcgaananaa aacttagtaa 300
tccaagctgt tttctacact gtaaccaggt ttccaacca ggtggaaate tctatactt 360
ggtgcc

```

```

<210> 216
<211> 260
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

```

```

<400> 216
ctgtataaac agaactccac tgcangaggg agggcggggc caggagaate tccgcttgc 60
caagacaggg gactaaggag ggtctccaca ctgctnntaa gggctnttnc atttttttat 120
taataaaaag tnnaaaaggg ctcttctcaa cttttttccc ttgggctgga aaatttaaaa 180
atcaaaaatt tcttnaagtt ntcagctat catatatact ntatcctgaa aaagcaacat 240
attcttctct tccctccttt
260

```

```

<210> 217
<211> 262
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

```

```

<400> 217
acctacgtgg gtaagtttan aaatgttata atttcaggaa naggaacgca tataattgta 60
cttgccctat aattttctat tttaataagg aaatagcaaa ttgggggtgg ggaatgtag 120
ggcattctac agtttgagca aaatgcaatt aaatgtggaa ggcagcact gaanaatttt 180
atgaataate tgtatgatta tatgtctcta gactagattt ataattagcc acttacccta 240
atctccttea tgcctgtaaa gt
262

```

```

<210> 218
<211> 205
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

```

```

<400> 218
accaaggtgg tgcattaccg gaantggate aagacacca tegtggccaa cccctgagca 60
cccctatcaa ctcccttttg tagtaaaett ggaaccttgg aaatgaccag gccaaagctc 120
agggctcccc agttctactg acctttgtcc ttangtnnaa ngtcagggt tgcaggaaa 180
anaaatcaga agcacaggt gtaaa
205

```

```

<210> 219

```

<211> 114
 <212> DNA
 <213> Homo sapien

<400> 219
 tactgttttg totcagtaac aataastaca aasagactgg ttgtgttccg gccccatcca 60
 accacgaagt tgatttctct tgtgtgcaga gtgactgatt ttaaaggaca tgga 114

<210> 220
 <211> 93
 <212> DNA
 <213> Homo sapien

<400> 220
 actagccagc acaaaaggca gggtagcctg aattgcttgc tgccttttcc atttctttta 60
 aaataagcat ttagtgtcca gtccttactg agt 93

<210> 221
 <211> 167
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(167)
 <223> n = A,T,C or G

<400> 221
 actangtgca ggtgcgcaca aatatttgc gatattccct tcatcttggc ttccatgagg 60
 tcttttgcgc agcctgtggc totactgtag taagtttctg ctgatgagga gccagnatgc 120
 ccccactac ctccctgac gctccccana aatcaacca cctctgt 167

<210> 222
 <211> 351
 <212> DNA
 <213> Homo sapien

<400> 222
 agggcgtggt ggggagggcg gtactgacct cattagtagg aggatgcatt ctggcaccoc 60
 gtctctcacc tgtcccccac tcttanaag gccatactgc ataaagtcaa caacagatag 120
 atgtttgctg aattaaagga tggtgaaaa aaattaataa tgaatttttg cataatccaa 180
 ttttctcttt tatatttcta gaagaagttt ctttgagcct attagatccc ggaatcttt 240
 taggtgagca tgattagaga gcttgttaggt tgccttttca tatatctggc atatttgagt 300
 ctogtatcaa acaatagat tggtaaaggt ggtattattg tattgataag t 351

<210> 223
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 223
 aaaaacaaac aacaaaaaaa acaattcttc attcagaaaa atttctcttag ggactgatat 60
 tggtaattat ggtcaattta atwrtrttkt ggggcatttc cttaaatigt cttagacaaga 120

ttaaaatgtc	tgtgccaaaa	tittgtattt	tatttgaga	cttcttatca	aaagtaatgc	180
tgccaaagga	agictaaagga	attagtagtg	ttcccatcac	ttgtttggag	tgtgtatttc	240
taaaagattt	tgatttcctg	gaatgacaat	tatatittaa	ctttgggtgg	ggaaanagtt	300
ataggaccac	agtcttcaat	tctgataact	gtaaatat	cttttattgc	acttgttttg	360
accatkaagc	tatatgttta	aaa				383

<210> 224
 <211> 320
 <212> DNA
 <213> Homo sapien

<400> 224						
ccctgaagg	cttctgttta	gaaaatagta	cagttacaac	caatagggaac	aaacaaaaaga	60
aaaagtittg	gacattgtag	tagggagtgt	gtacccctta	ctcccatca	aaaaaaaaat	120
ggatcacatg	ttaaaggata	raagggaat	attttatcat	atgttctaaa	agagaaggaa	180
gagaaaaaac	tactttctcr	aaatgggaagc	octtaagggt	gctttgatac	tgaaggacac	240
aaatgtggcc	gtccatcttc	ctttaragtt	gcstgacttg	gacacggtaa	ctgttgccgt	300
tttaractcm	gcattgtgac					320

<210> 225
 <211> 1214
 <212> DNA
 <213> Homo sapien

<400> 225						
gaggactgca	gccegcactc	gcagccctgg	caggccggac	tggtcatgga	aaacgaattg	60
ttctgctogg	gcgtcctggt	gcacccgcag	tgggtgctgt	cagccgcaca	ctgtttccag	120
aaactcctaca	ccatcgggct	gggctgcac	agtcttgagg	ccgaccaaga	gccagggaagc	180
cagatgggtg	agccagcct	ctccgtacgg	caaccagagt	acaacagacc	cttgcctcgt	240
aacgacctca	tgctcatcaa	gttggacgaa	tcctgtctcg	agtctgacac	catcaggagc	300
atcagcattg	cttcgcagtg	ccctaccggg	gggaactctt	gcctcgtttc	tggctggggt	360
ctgttggcga	acgycagaat	gcctaccgtg	ctgcagtgog	tgaacgtgtc	ggtgggtgct	420
gaggaggtct	gcagtaagct	ctatgaccog	ctgtaccacc	ccagcatgtt	ctgcgcgggc	480
ggaggggcaag	accgaagga	ctcctgcacc	ggtgactctg	gggggcccct	gatctgcacc	540
gggtacttgc	agggccttgt	gtctttcgga	aaagcccctg	gtggccaagt	tggcgtgcca	600
ggtgtctaca	ccaaactctg	caaattcaat	gagtggatag	agaaaaccgt	ccaggccagt	660
taactctggg	gactgggaac	ccatgaaatt	gacccccaaa	tacatcctgc	ggaagggaatt	720
caggaatata	tgctcccgag	ccctcctccc	tcaggcccag	gagtccagge	ccccagccce	780
tctcctctca	aaacaaagggt	acagatcccc	agcccctcct	ccctcagacc	caggagttca	840
gacccccag	ccctcctccc	ctcagaccca	ggagtccagc	ccctcctccc	tcagaccag	900
gagtccagac	cccccagccc	ctcctccctc	agacccaggg	gtccaggccc	ccaccccttc	960
ctcctcaga	ctcagaggtc	caagccccca	acccctcctt	ccccagcccc	agagggtccag	1020
gtcccagccc	ctcctccctc	agacccagcg	gtccaatgcc	acctagactc	tcctgttaca	1080
cagtgcctcc	ttgtggcaag	ttgacccaac	cttaccagtt	ggtttttcat	tttttgtccc	1140
ttccctcag	atccagaatt	aaagtctaag	agaagcgcaa	aaaaaaaaaa	aaaaaaaaaa	1200
aaaaaaaaaa	aaaa					1214

<210> 226
 <211> 119
 <212> DNA
 <213> Homo sapien

<400> 226						
accagtatg	tgcagggaga	eggaaccoca	tgtgacagcc	cartccacca	gggttccca	60
agaacctggc	cragtcataa	tcattcatcc	tgacagtggc	aataatcag	ataacccgt	119

<210> 227
 <211> 818

<212> DNA

<213> Homo sapien

<400> 227

acaattccta	gggacgacca	atgaggacag	ggaatgaacc	eggctctccc	ccagccctga	60
tttttgctac	atatggggtc	cccttttcatt	ctttgcaaaa	acactggggt	ttctgagaac	120
acggacgggt	cttagcacaa	tttgtgaaat	ctgtgtaraa	ccgggctttg	caggggagat	180
aattttcttc	ctctggagga	aaggtgggtg	ttgacagga	gggagacagt	gacaaggcta	240
gagaaagcca	cgctcggtct	tctctgaacc	aggatggaa	ggcagacccc	tgaaaacgaa	300
gcttgctccc	ttccaatcag	ccacttctga	gaacccccat	ctaacttctt	actggaasag	360
agggcctcct	caggagcagt	ccaaagagtt	tcaaagataa	cgtgacaact	accatctaga	420
ggaaaggggt	caccctcagc	agagaagccg	agagcttaac	tctggctcgt	tccagagaca	480
acctgctggc	tgtcttggtg	tgcgccagc	ctttgagagg	ccactacccc	atgaacttct	540
gccatccact	ggacatgaag	ctgaggacac	tgggtctcaa	cactgagttg	tcatgagagg	600
gacaggctct	gccctcaagc	cggttgaggg	cagcaaccac	tctcctcccc	tttctcagcc	660
aaagccattc	ccacaaatcc	agaccatacc	atgaagcaac	gagccccaaa	cagtttgggt	720
caagaggata	tgaggactgt	ctcagcctgg	ctttgggtct	acaccatgca	cacacacaag	780
gtccacttct	aggttttccg	cctagatggg	agtcgtgt			810

<210> 228

<211> 744

<212> DNA

<213> Homo sapien

<400> 228

actggagaca	ctgttgaaat	tgatcaagac	ccagaccacc	ccaggtctcc	tttgtgggat	60
gtcatgaagt	ttgacatacc	tttggaacga	gcctcctcct	tggagagatg	aagaccgtgt	120
tctgtccaga	ccctggcctct	cctggcctgt	ttcttaagat	gcggagtcac	atttcaatgg	180
taggaaaaat	ggcttctgta	aatagaagag	cagtcactgt	ggaaactaca	aatggcgaga	240
tgtctgggtc	acattggggg	gctttgggat	aaaagattta	tgagccaaat	attctctggc	300
accagattct	agggcagttt	gttccactga	agcttttccc	acagcagttc	acctctgcag	360
gctggcagct	gaatggcttg	ccggtggctc	tgtggcaaga	tcacactgag	atgatgggt	420
gagaaggcta	ggatgcttgt	ctagtgttct	tagctgtcac	gttgggtcct	tccaggttgg	480
ccagaagggt	ttggccactc	ccttctaaaa	ccagggcgcc	ctcctgggtg	cagtgaaccg	540
ccgtgggtat	ccttggccca	ttccagcagt	cccagttatg	catttcaagt	ttggggtttg	600
ttcttttctg	taatgttctt	ctgtgttgct	agctgtcttc	atttcttggg	ctaagcagca	660
ttgggagatg	tggaccagag	atccactcct	taagaaccag	tggcgaaaga	caatttcttt	720
cttccactct	aagttagctg	tggt				744

<210> 229

<211> 300

<212> DNA

<213> Homo sapien

<400> 229

cgagctctgg	ttttgtctat	aaagtttgat	ccctcctttt	ctcatccaaa	tcatgtgaac	60
cattacacat	cgaaataaaa	gaaaggtggc	agacttgccc	aacgcacagg	tgacatgtgc	120
tgcaggggtg	ttgtttttta	attattatg	ttagaacagt	cacccacagt	ccctgttaat	180
ttgtatgtga	cagccaaact	tgagaaggtc	ctatttttcc	acctgcagag	gatccagctc	240
cactaggctc	ctccttgcac	tcacactgga	gtctccgcca	gtgtgggtgc	ccactgacat	300

<210> 230

<211> 301

<212> DNA

<213> Homo sapien

<400> 230

cagcagaaca	aatacaata	tgaagagtgc	aaagatctca	taaaatctat	gctgaggaa	60
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80

```

gagcgacagt tcaaggagga gaagcttgca gagcagctca agcaagctga ggagctcagg 120
caatataaag tcttggttca cactcaggaa cgagagctga cccagttaaag ggagaagttg 180
cggaagagga gagatgcctc cctctcattg aatgagcctc tccaggccct cctcactcag 240
gatgaacagg acaagtccca ggggcaggac ctccagaaaa cagacctcgg ccgcgaccac 300
g 361

```

<210> 231
 <211> 361
 <212> DNA
 <213> Homo sapien

```

<400> 231
gcaagcacgc tggcaaatct ctgtcaggtc agctccagag aagccattag tcatttttagc 60
caggaactcc aagtcacacat ccttggcaac tggggacttg ccgaggttag ccttgaggat 120
ggcaaacagg gacttctcat caggaagtgg gatgtagatg agctgatcaa gacggccagg 180
tctgaggatg gcaggatcaa tgatgtcagg ccggttggtc ccgccaatga tgaacacatt 240
tttttttggt gacatgccat ccatttctgt caggatctgg ttgatgactc ggtcagcagc 300
c 361

```

<210> 232
 <211> 361
 <212> DNA
 <213> Homo sapien

```

<400> 232
agttaggtatt tcttgagaag ttcaacacca aaactggaaac atagtctctc ttcaagtgtt 60
ggcgacagcg gggcttctct attctggaaat atacttttgt gtaaatlaac agccacctat 120
agaagagtcg atctgtctgt aaggagagac agagaactct gggttccgtc gtctgttcaa 180
cgtgtctgtc caagtgtctg tggcagcctg ttacctgttc tctctgaaaa tctggtctat 240
gtctctgtgt atcacttctg attctgacaa tcaatcaatc aatggcctag agcactgaat 300
g 361

```

<210> 233
 <211> 361
 <212> DNA
 <213> Homo sapien

```

<400> 233
atgactgaat tcccagtaag gctctctaag ggttaagtag gaggatccac aggatttgag 60
atgctaaggc cccagagatc gtttgatcca accctcttat ttccagaggg gaasatggg 120
cctagaagtt acagagcctc tagctggtgc gctggcacc cttggcctcac acagaactcc 180
gagtagctgg gactacaggc acacagtcac tgaagcaggg cctgttagca attctatgag 240
tacaatttas catgagatga gttagagact tatttgaaaa gcaagagaaa atctatcaa 300
c 361

```

<210> 234
 <211> 361
 <212> DNA
 <213> Homo sapien

```

<400> 234
aggctctaca catcgagact catccatgat tgatatgaat ttaaaaatta caagcaaga 60
cattttatcc atcatgatgc tttcttttgt ttctttttt cgtttttctt ttttttttt 120
tcaatttcag caacataact ctcaatttct tcaggattta aactcttgag ggattgatct 180
cgctcatga cagcaagttc aatgtttttt ccacctgaat gaaccuette caggagtgc 240
ttgatccca gcttaatggt cagatcatct gttcaatgg cttcgtcagt atagttcttc 300
t 361

```

<210> 235
 <211> 283
 <212> DNA
 <213> Homo sapien

<400> 235
 tggggctgtg catcaggcgg gtttgagaaa tattcaattc tcagcagag ccagaatttg 60
 aattccctca ttttttaggg aatcatttac cagggtttgga gaggattcag acagctcagg 120
 tgctttcaat aatgtctctg aactctctgc cctctttgtt catggatagt ccaataaata 180
 atgttatcct tgaactgatg ctcataggag agaataaag aactctgagt gatataaaca 240
 ttagggatcc aaagaatat tagatttaag ctccactgg tca 283

<210> 236
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 236
 aggtctctca ccaactgcct gaagcacggt taaaattggg aagaagtata gtccagcata 60
 aatactttta aatcgatcag atttccctaa cccacatgca atctcttca ccagaagagg 120
 tgggagcagc atcattaata ccaagcagaa tgggtaatat ataaatacaa tggatatag 180
 tgggtagacg gcttcctgag tacagtgtac tgtggatcag taatctggac ttgggttgta 240
 aagcctcgtg taccagtcag aagcctcaa tactcgacat gaacgaatat aaagaacacc 300
 a 301

<210> 237
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 237
 cagtggtagt ggtgggtggc gtggcgttgg tegtgggtgc ttttttggtg ccggtcacaa 60
 actcaatttt tgttcgctcc tttttggcct ttcccaattt gtccatctca attttctggg 120
 ccttggctaa tgcctcatag taggagtcct cagaccagcc atggggatca aacatatcct 180
 ttgggtagtt ggtgccaagc tegtcaatgg cacagaatgg atcagcttct cgtaaateta 240
 gggttccgaa attctttctt cctttggata atgtagtcca tatccattcc ctccctttatc 300
 t 301

<210> 238
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 238
 gggcaggttt tttttttttt ttttttgatg gtccagaccc ttgctttatt tgtctgactt 60
 gttcacagtt cagccoctg ctccagaaac caacggggcc gctaaggaga ggaggaggca 120
 ccttgagact tccgagtcg aggtcttcca ggttcccca gccatcaat cattttctgc 180
 acccctgac tgggaagcag ctccctgggg ggtgggaatg ggtgactaga agggatttca 240
 gtgtgggacc cagggtctgt ttttcacagt aggaggtgga agggatgact aatttcttta 300
 t 301

<210> 239
 <211> 239
 <212> DNA
 <213> Homo sapien

<400> 239
 ataagcagct agggattctt ttatttagta atgtcctaac ataaagttc acataactgc 60

82

ttctgtcaaa	ccatgatact	gagctttgtg	acaaccaga	aataactaag	agaaggcaaa	120
cataatacct	tagagatcaa	gaaacattta	cacagttcaa	ctgttttaaa	atagctcaac	180
atcagccag	tgagtagagt	gtgaatgcca	gcatacacag	tatacaggtc	cttcaggga	239

<210> 240
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 240	
ggtcctaagt aagcagcagc ttccacattt taacgcaggt ttacgggtgat actgtccitt	60
gggatctgcc ctccagtgga accttttaag gaagaagtgg gcccaagcta agttccacat	120
gctgggtgag ccagatgact totgttccct ggtcactttc ttcaatgggg cgaatggggg	180
ctgccagggt tttaaaatca tgottcattt tgaagcacac ggtcacttca cctcctcac	240
gctgtgggtg tactttgatg aaaataccca ctttgttggc ctttctgaag ctataatgtc	300

<210> 241
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 241	
gaggtatggt gctgaggtct ctgggctagg aagaggaggt ctgtggagct ggaagccaga	60
cctctttgga ggaactcca gcagctatgt tgggtgtctct gaggggaatgc aacaaggctg	120
ctcctccatg tattggaana ctgcacactg gactcaactg gaaggaagtg ctgctgccag	180
tgtgaagaa cagcctgagg tgacagaaac ggaagcaaac aggaacagcc agtcttttct	240
tctcctctgt gtcatacagg ctctctcaag cctcctttgt tgtcaggggc ctaaaaggga	300

g

<210> 242
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 242	
ccgaggtcct gggatgcacc caatcactct gtttcacgtg actttttatca ccatacaatt	60
tgtggcattt cctcattttc tacattgtag aatcaagagt gtaaataaat gtatatcgat	120
gtcttcaaga atatatcatt cctttttcac tagaaccat tcasaatata agtcaagaa	180
cttaatatca acaaatatat caagcaacct ggaaggcaga ataactacca taatttagta	240
taagtacca aagttttata aatcaaaagc cetaatgata acctttttta gaattcaatc	300

a

<210> 243
 <211> 301
 <212> DNA
 <213> Homo sapien

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<213> Homo sapien

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<213> Homo sapien

<400> 245

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<213> Homo sapien

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